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Missouri Botanical Garden

See the World

JANUARY / FEBRUARY 2001

Dino Quest

February 3 – March 31, 2001

See Page 12

Volume LXXXIX
Number One

Annual Orchid Show

"A Tropical Journey: The Enchanted Jungle

January 27 – March 11, 2001

Take a magical trip from the extravagant to the extraordinary. Visit the lush, surreal jungles created by the late-19th century French painter Henri Rousseau, where you will discover a tropical paradise filled with hundreds of orchids in every size, shape, color and scent. Delight in the giant, animated insects perched on leaves and branches throughout the Orchid Show, including a praying mantis, monarch butterfly, lady bug, dragonfly, caterpillar, lightning bug, and more.

Orchids were a favorite of Henry Shaw, the Garden's founder. At his death in 1889, the Garden's orchid collection, though small, was one of the most complete in the country. George H. Pring, the Garden's head horticulturist for 57 years, played a major role in developing the orchid collection into one of the world's finest. The Garden's first orchid show was held in the old Floral Display House on Sunday, November 30, 1924. Eight thousand people attended.

The orchid family, Orchidaceae, includes about ten percent of all species of flowering plants found in nature — about 30,000 to 35,000 species — making it the largest plant family on

MISSOURI BOTANICAL
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# of Henri Rousseau"

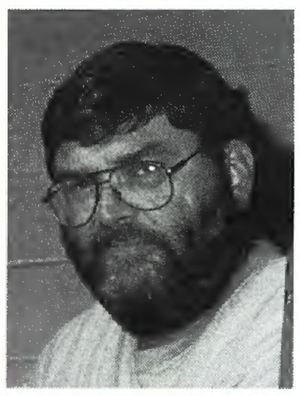
Earth. In addition, breeders have created more than 100,000 different orchid hybrids.

Orchids are extraordinarily diverse. Some of the plants are less than an inch tall, with flowers the size of a pinhead. Others grow as tall as forty feet. Some orchid blooms may be over a foot across, and some have petals that hang down as much as three feet.

The Members' Preview Party is Friday, January 26 – see page 11 for details.

Jane Freund Harris Orchid Collection

The late Jane Freund Harris, a longtime supporter of the Garden, was an avid orchid grower who visited the Garden's orchid ranges weekly and left her orchid collection to the Garden. A special tribute fund in memory of Jane Harris was established at the Garden to honor Mrs. Harris and her love of orchids for years to come. To contribute, please call the Development Office at (314) 577-5120.



Brian LeDoux Celebrates 26th Orchid Show

The man behind the scenes at the Garden flower shows is Brian LeDoux of the Horticulture Division. LeDoux began working at the Garden in 1975 and has been responsible for planning, designing, creating and maintaining the annual floral displays ever since. This marks his 26th annual orchid show.

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.

ON FEBRUARY 6, 2001, PBS television will air "Scientific American Frontiers" with Alan Alda, featuring a segment taped here last summer. I hope each of you will have an opportunity to see this exciting program about the Garden's international program of botanical research and our role in helping to create a sustainable world.

Promoting environmental responsibility is a major part of the Garden's mission. As you will see on the following page, after careful consideration we have announced a new name for our 2,500-acre environmental education center in Gray Summit, previously known as Shaw Arboretum. Hundreds of Garden members and friends participated in the process of choosing the new name, Shaw Nature Reserve. We think it is a much stronger presentation of the facility and its goals of conservation, restoration of natural plant communities, and environmental education. Each year more people discover the beauty and significance of this outstanding resource, and we believe that its name will help to attract even more visitors in the future.

The EarthWays Home has been a model for sustainable living since 1992. On page 17 we salute the Home's past, present and future as headquarters of the Garden's newest division, the Gateway Center for Energy Efficiency. The Home is a demonstration of energy efficiency and environmental stewardship each of us can practice in our daily lives. We are proud to help revitalize this wonderful resource for the Garden, the Grand Center area, and the St. Louis region.

I hope you will join us for all the warm and wonderful events at the Garden this winter. It may be cold outside, but the annual Orchid Show is filled with exotic and colorful blooms. And don't miss "Dino Quest," with life-like dinosaurs in the Climatron® conservatory and a host of activities for children and families.

— Peter H. Raven, Director

Coming April through September, 2001

Chapungu – Custom and Legend: A Culture in Stone

A magnificent exhibition of contemporary African sculpture will be on display at the Garden from April through September, 2001. Sixty-seven monumental stone carvings from Chapungu Sculpture Park in Zimbabwe will be placed throughout the Garden grounds on pedestals made of natural tree trunks. This will be the first exhibition of these works in the United States and one of the most important exhibitions of contemporary sculpture ever presented in St. Louis.

Watch for more details on events and programming in the March/April *Bulletin*.

At left: "Protecting the Eggs," Damian Manuhwa, 1997.

Mailing Address:
Missouri Botanical Garden
Post Office Box 299
St. Louis, Missouri 63166-0299

www.mobot.org

Important Phone Numbers:
(314) 577-5100

Development: (314) 577-5120
Patricia Arnold, director
Communications: (314) 577-0254
Brenda Jones, director
Membership: (314) 577-9500
Mary Krchma, manager
Public Relations: (314) 577-5141

Garden Hours:
9 a.m. to 5 p.m. every day except Christmas; 9 a.m. to 8 p.m. on Mondays Memorial Day through Labor Day. Grounds open 7 a.m. Wed. & Sat.

Shaw Nature Reserve:
(636) 451-3512 (toll free from St. Louis)

24-Hour Information:
GardenLine – (314) 577-9400
Or call 1-800-642-8842.

24-Hour Gardening Tips:
HortLine – (314) 776-5522
Or see www.mobot.org.

Horticulture Answer Service:
(314) 577-5143
9 a.m. to noon, Mon. – Fri.
Composting/Recycling Hotline:
(314) 577-9555

On the Cover
A fierce velociraptor is just one of the lifelike dinosaurs that will be on display in the Climatron® rain forest in February and March. Photo by Jack Jennings.

Editor
Susan Wooleyhan Caine

Climatron® is a registered servicemark of the Missouri Botanical Garden.

Missouri Environmental Fund Member Organization

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The BULLETIN is sent to every member of the Garden as a benefit of membership. For a contribution of as little as $55 per year, members also are entitled to: free admission to the Garden, Shaw Nature Reserve, and Tower Grove House; invitations to special events and receptions; announcements of all lectures and classes; discounts in the Garden Gate Shop and course fees; and the opportunity for travel, domestic and abroad, with other members. For information, call (314) 577-5118.

Postmaster: Please send address changes to: Bulletin, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299.

MARY ANN KRESSIG

Path to the Experimental Prairie at Shaw Nature Reserve.

A New Name for the Arboretum

Shaw Nature Reserve

THE BOARD OF TRUSTEES has approved a name change for the Garden's 2,500-acre property in Gray Summit, Missouri. Formerly known as Shaw Arboretum, it officially became Shaw Nature Reserve in November, 2000. The new name was the overwhelming favorite of members and others in an extensive evaluation by a nationally recognized marketing research firm.

An arboretum is a place where trees and shrubs are cultivated for scientific and educational purposes. With its restored prairies and glades, constructed wetlands, and the five-acre Whitmire Wildflower Garden, the facility was not, strictly speaking, an arboretum. A nature reserve, on the other hand, is generally seen as a tract of land that is managed and protected in order to maintain and restore the rich diversity of indigenous plants and animals.

This is not the first time the property has changed names. It was established as the Gray Summit Extension of the Missouri Botanical Garden when it was purchased in 1925, renamed the Missouri Botanical Garden Arboretum in 1933, and became known as the Missouri Botanical Garden Arboretum and Nature Reserve from the late 1960s until 1976, when the Trustees changed the name to Shaw Arboretum.

Today it draws more than 60,000 visitors per year who come to enjoy 14 miles of hiking trails, wildflowers, and landscapes of native plants. The Garden's mission at the Shaw Nature Reserve is to serve as a national model for recreating natural plant and wildlife communities and educating people about them.

"The Shaw Nature Reserve will remain familiar to all those who cherish it," Raven said. "It will continue to be a popular outdoor destination for hikers, bird watchers, students of ecology, and those who love the natural world. We hope the new name will attract visitors who may not yet have discovered what a treasure it is." For directions and information, please call (636) 451-3512 toll free from St. Louis. Admission is free to Garden members.

Corporate Partners

The Boeing Company

A WORLD LEADER in military and commercial aerospace, as well as electronic and space systems, The Boeing Company has joined the ranks of the Missouri Botanical Garden's Corporate Partners. The Corporate Partners program works to strengthen the relationship between the Garden and the St. Louis business community.

Boeing values responsible corporate citizenship and considers it a key component of the company's mission. Through financial assistance, sponsorships, and partnerships, volunteer programs and service opportunities, Boeing and its 17,000 St. Louis employees are committed to improving the quality of life in the communities where Boeing employees live and work.

As partners, Boeing and the Garden promote environmentally safe and responsible communities. The Garden teaches the value of informed stewardship of natural resources and encourages environmental awareness. Boeing, along with the Garden, is committed to educating and strengthening communities and fostering long-term growth.

"We see this as a natural partnership," said John Van Gels, Boeing St. Louis site manager and vice president. "Boeing strongly supports the communities where its employees live and work, but our overall business focus is global. Likewise, the Garden supports its neighbors, yet works to resolve environmental issues that affect the world. We are delighted to join forces with the Garden to make a positive difference near and far."

Corporate Partners

Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year.

For more information, please contact Rachel Hartmann, corporate / foundation officer, at (314) 577-9513.

We would like to recognize the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

SHAREHOLDER

Anheuser–Busch Companies, Inc.

UNDERWRITER

Brown Shoe Company, Inc.

The Jones Company

SUPPORTER

Clayco Construction Company

First National Bank

Furniture Brands International, Inc.

Gift Planning

Why Do I Support the Garden?

Donor Profile

Marjorie Tooker Patton

Member of the Garden for over 30 years

Garden Guide for 25 years

Member, Bequest and Gift Advisory Council

Interests: Loves sharing her expert knowledge of Missouri trees and wildflowers. Enjoys camping, rafting, and world travel.

Recent Adventures: A trip to Australia and climbing to the top of Sydney Bridge.

Quote: "It is our obligation to give something back through the organizations that are working to make the world a better place."

Planned Gift: A charitable remainder trust, with the Garden as beneficiary.

AS WE ENTER ANOTHER NEW YEAR, many people are finding a place in their long-range estate plans to include thoughtful gifts that will preserve and enhance the Garden for generations to come. You, too, can create a compelling and enduring legacy — for the future of your family and the future of the Garden.

For more information about how a planned gift to the Garden can benefit you and your estate, please contact Judi Schraer, planned giving officer, (314) 577-9455, judi.schraer@mobot.org.

WHITE HOUSE PHOTO

President Clinton greeting Peter Raven at the White House.

National Medal of Science Awarded To Peter H. Raven

PRESIDENT CLINTON awarded Peter H. Raven the National Medal of Science, the nation's highest scientific honor, at a ceremony in Washington, D.C. on December 1, 2000. Dr. Raven was recognized as one of the world's leading authorities on plant systematics and evolution and as an originator of the concept of coevolution.

Called a "Hero for the Planet" by *TIME* last year, Raven is recognized throughout the world as an evangelist for rational planning of the earth's resources and for his scientific contributions to botany. He and 11 other distinguished scientists were named by the President to receive the medal, which is administered for the White House by the National Science Foundation.

On receiving the medal, Raven said, "I am greatly honored by this distinguished award. For some 40 years, I have devoted myself to understanding and protecting the diversity of life on Earth in the light of increasing evidence of its accelerated destruction as a result of human activities. My hope is that we devote ourselves to compassionate concern about the Earth's future through preserving biodiversity throughout the world."

Raven is active in worldwide efforts to raise the visibility of science and to protect the environment. He is a member of President Clinton's Committee of Advisors on Science and Technology and is chairman of the National Geographic Society's Committee for Research and Exploration. He is president-elect of the American Association for the Advancement of Science, the world's largest organization of professional scientists, and serves on the academies of science in more than 15 countries. As director of the Missouri Botanical Garden, Raven also serves as Engelmann Professor of Botany at Washington University in St. Louis.

Raven serves as co-editor of the *Flora of China,* a joint Chinese-American international project that is leading to a contemporary account of all the plants of China. He is the author of numerous books and publications, both popular and scientific, and has been honored internationally for his work in conservation.

Home Gardening

By Steven D. Cline, Ph.D.

STUBBING, heading, heading-back, stubbing-off, tipping, hatracking, topping-off, dehorning, lopping or roundover. All of these are common names for the drastic removal or cutting of large branches in mature trees, a practice strongly discouraged by experts. This year, the State Forestry Council and Forest ReLeaf of Missouri teamed up to campaign statewide against tree topping.

Topping leaves large, open wounds that predispose the tree to insect infestation, disease and decay. It permanently injures trees, results in their early death, destroys their natural beauty and shape, and is costly for everyone. Overall, topping reduces a tree's life span significantly.

If routine maintenance is your goal, there are plenty of things to do besides topping. A better way to prevent storm damage and provide routine maintenance for large trees is to hire a certified arborist or tree care professional. Make sure you ask about their policy on topping and beware of bargain work.

Unfortunately, topping is still a common practice throughout Missouri and the Midwest. Why?

My Tree is Too Big!

A recent survey found that people who live in a house for less than four years are more likely to top their trees than long-term residents. New owners often want to shape up their landscaping, to "get a clean start." However, good pruning does not include topping. A properly pruned tree looks as though hardly any work has been done. Also, be aware that a topped tree can regain its original height in as little as two years, depending upon the species.

A a better solution for big trees that have become overgrown is a phased-in pruning schedule. Begin by removing damaged and diseased limbs and gradually work toward controlling the size and shape over several seasons. Winter is a good time to talk to a qualified arborist and work out a schedule. Pruning during the dormant period is preferable to summer pruning.

TREE TOPPING

The Myth of Preventing Storm Damage

Many people believe that topping reduces storm damage and makes trees easier to maintain. Certainly, trees planted too close to houses, fences, and driveways are a threat during extreme weather, especially if dead or diseased limbs are not removed by proper pruning. But topping is only a short term remedy, one you will soon pay for. Once a tree is topped, the long, fast growing shoots are tender and typically more susceptible to breakage and storm damage, as well as being more vulnerable to disease.

Just a Routine Thing to Do

Once the tip of a branch is snipped off, shoots will arise from dormant buds below the cut. Many people believe topping is good for trees, as new growth shoots up all over the place. However, the new growth is weak, and big cuts expose the trunk to fungi and insects that are attracted to wounds. Oak wilt and Dutch elm disease are two diseases transmitted by insects that like open wounds. In addition, tree decay is a primary threat that begins with an open wound or an improperly pruned branch. The larger the exposed area, the higher the risk.

Right Tree, Right Place

Ultimately, prevention is always the best cure. When you plant a tree, select the right tree for the site. Consider mature height, width and spacing between plantings, also proximity to other trees, buildings and above ground utilities to prevent problems later. The Kemper Center can help you with suggestions for beautiful, desirable trees for every landscape and location.

Steven Cline has been manager of the Kemper Center for Home Gardening since 1989. He holds master's and Ph.D. degrees in ornamental plant pathology from the University of Illinois and writes a monthly gardening column for the St. Louis Times.

Holiday Tree Recycling

December 26, 2000 – January 15, 2001

THE GARDEN teams with the *St. Louis Post-Dispatch*. Drop off holiday trees at the marked lot in the 4500 block of Shaw between Vandeventer and Kingshighway, across from the Monsanto Center. All decorations should be removed, no bagged trees please. For more information call the hotline at (314) 577-9555.

What's Coming up

At the Kemper Center for Home Gardening

3rd Annual Dirt Festival

Saturday, March 17, 2001 – 8:30 to Noon

Sponsored by Suburban Journals

Registration Deadline: February 24

Enjoy free gardening lectures by area specialists. Advance registration required.

SOIL TESTS (Optional)

Take advantage of our optional Basic Soil Test at a special reduced rate. Mail samples by the February 24 deadline and pick up the results on the day of the Dirt Festival. We will send a sample box to you. Make checks payable to Missouri Botanical Garden. Select the type of soil test desired and write in the number of samples being sent:

___Basic Soil Test $20
Analyzes pH, organic matter, phosphorus, potassium, calcium, and magnesium. Good for determining fertilizer requirements.

___Complete Soil Test $30
Basic test plus levels of sulfur, iron, boron, copper, manganese, and zinc. For problem soils or when converting a new area into garden or lawn.

Crop or Plant To Be Grown (please circle one):

Annuals	*Perennials*	*Bulbs*	*Roses*
Herbs	*Indoor Plants*	*Shade Trees*	*Shrubs (specify)*
Small Fruit	*Vines*	*Ground Covers*	*Fescue*
Bluegrass	*Zoysia*	*Vegetables (specify)*	
Rhododendrons/Azaleas			

REGISTRATION (Name of person on soil test report):

Name_____

Address_____

City_____State_____Zip_____

Phone(____)_____Fax(___)_____

Mail this form with your check payable to:
Missouri Botanical Garden
DIRT FESTIVAL,
William T. Kemper Center for Home Gardening
P.O. Box 299
St. Louis, MO 63166-0299

Call (314) 577-9441 Monday through Friday, 9 a.m. to 5 p.m., if you have questions.

Directory of Regional Plant Societies

This list is published twice a year, in the January and July issues of the *Bulletin*. To change your listing, call (314) 577-5141. Some calls to 636 area code may require dialing "1" first, depending on the caller's location.

American Orchid Society
(Mid-America Regional Judging Committee)
David Brown . . . . . (314) 727-2385

Belleville Area Rose Society
Dennis Nelson . . . . . (618) 233-4609
. . . . . http://users.accessus.net/~rosenut

Bonsai Society of Greater St. Louis
Bob Harris . . . . . (314) 352-0817

Boxwood Society of the Midwest
Sheila Hoffmeister . . . . . (314) 846-8430

Dahlia Society of Greater St. Louis
Ellis Evans . . . . . (314) 843-3767

Federated Garden Clubs of Missouri
Sue Reed . . . . . (314) 965-6813

Gardeners of America (Ozark Region)
Russell McClellan . . . . . (314) 837-2470

Gateway West Gesneriad Society
Gary Dunlap . . . . . (636) 789-3604

Greater St. Louis Daffodil Society
Jason Delaney . . . . . (314) 351-8193

Greater St. Louis Daylily Society
Elaine Hogg . . . . . (314) 432-4206

Greater St. Louis Iris Society
Jim Loveland . . . . . (636) 349-4977

Henry Shaw Cactus Society
Pat Thomann . . . . . (314) 892-1123

Metro East Herb Club
Daphne Sumner . . . . . (618) 538-7739

Metropolitan St. Louis African Violet Council
Pat Dunlap . . . . . (636) 789-3604

Mid-America Regional Lily Society
Fred Winterowd . . . . . (314) 423-5313

Missouri Botanical Garden Daylily Society
Mirko Bolanovich . . . . . (314) 965-7471

Missouri Mycological Society
Brad Bomanz . . . . . (636) 225-0555

Missouri Native Plant Society
George Yatskievych . . . . . (314) 577-9522

Missouri Orchid Society
Ron Taube . . . . . (314) 961-0577

North American Rock Garden Society
Ruth Hartsell . . . . . (314) 241-7673

Orchid Society of Greater St. Louis
Millie Schettle . . . . . (636) 584-0494

Rose Society of Greater St. Louis
Mike McDonald . . . . . (636) 227-3426

St. Louis Carnivorous Plant Society
Susan Farrington . . . . . (314) 577-9402

St. Louis Evening Herbalists
Linda Burke . . . . . (314) 961-4314

St. Louis Herb Society
Barbara Rezny . . . . . (314) 721-8886

St. Louis Horticultural Society
Mindy Keyser . . . . . (314) 421-6610 x236

St. Louis Hosta Society
Sandi Copeland . . . . . (636) 447-5980

St. Louis Water Garden Society
Joe Summers . . . . . (314) 577-9404

West County Daylily Club
Chick Buehrig . . . . . (314) 389-8261

Wild Ones Natural Landscapers, St. Louis Chapter
Scott Woodbury . . . . . (636) 451-3512
. . . . . scott.woodbury@mobot.org

MARY BUTKUS

At the film premiere (from left): John Knoll; Shaila Mehra, Regional Arts Commission; Jim Scott; Stefany Brot, CALOP; Peter Raven; Henry Shaw; John Karel, director of Tower Grove Park; Emily Seimers, Video 9 and KETC; Mr. Howard "Tim" Hays.

HENRY SHAW 200TH ANNIVERSARY EVENT

Premiere of "Henry Shaw: The Good Neighbor"

LIGHTS, CAMERA, ACTION! A film on the life and civic philanthropy of Henry Shaw had its premiere at the Garden on December 11, 2000. The 30-minute documentary was directed and produced by James F. Scott, an independent television producer and humanities professor at Saint Louis University. The script was written by John F. Knoll.

The film celebrates Shaw as an ambitious entrepreneur who spurred the city's early expansion, a civic-minded naturalist who valued park space for both instruction and leisure, and a far-sighted visionary who anticipated future development of the city. The film on VHS or DVD is available for purchase in the Garden Gate Shop.

Calendar of Events

jan. & feb.

Annual Orchid Show • January 27 – March 11, 2001

"A Tropical Journey: The Enchanted Jungle of Henri Rousseau"

Members' Preview Party – Friday, January 26

5 to 8 p.m. • Entertainment • Cash Bar

Garden Gate Shop will be open

Dinner Buffet available for purchase in the Garden Café, $16.95 per person

Travel to the world of tropical fantasy, inspired by the colorful paintings of the 19th century painter Henri Rousseau. All the spectacular color and incredible variety of the Garden's famed orchid collection will be on display amid a jungle of lush tropical greenery, filled with Rousseau's whimsical animals and birds. Enjoy orchids in all shapes, sizes, colors and fragrances as they grow in the trees, on rocks, or on the ground just as they are found in nature. Delight in the giant animated insects you will discover throughout the colorful jungle.

Jan. & Feb. Events

January 15 – March 16

Exhibitions: "At Water's Edge" and "Fire! A Natural Process"

9 a.m. to 5 p.m. daily, Ridgway Center. Exhibits from the New Mexico Museum of Natural History and Science and the United States Forest Service portray the significance of river systems and fire in the ecological balance of nature. Free with Garden admission or membership.

January 20 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop book department. For children ages 4 to 10. Storyteller Vicki Erwin shares imaginative tales of winter snows. Make a snowy project to take home. Parents and guardians are welcome, and children under age 4 must be accompanied by an adult. All children's books are an additional 10% off for those attending StoryTime. Free with Garden admission or membership.

January 27 – March 11

Annual Orchid Show: "A Tropical Journey: The Enchanted Jungle of Henri Rousseau"

9 a.m. to 5 p.m. daily, Orthwein Floral Hall. Regular Garden admission plus $2 for adults, $1 for seniors age 65 and over, free to members and children 12 and under. See page 11 for Members' Preview Party.

February 3 & 4

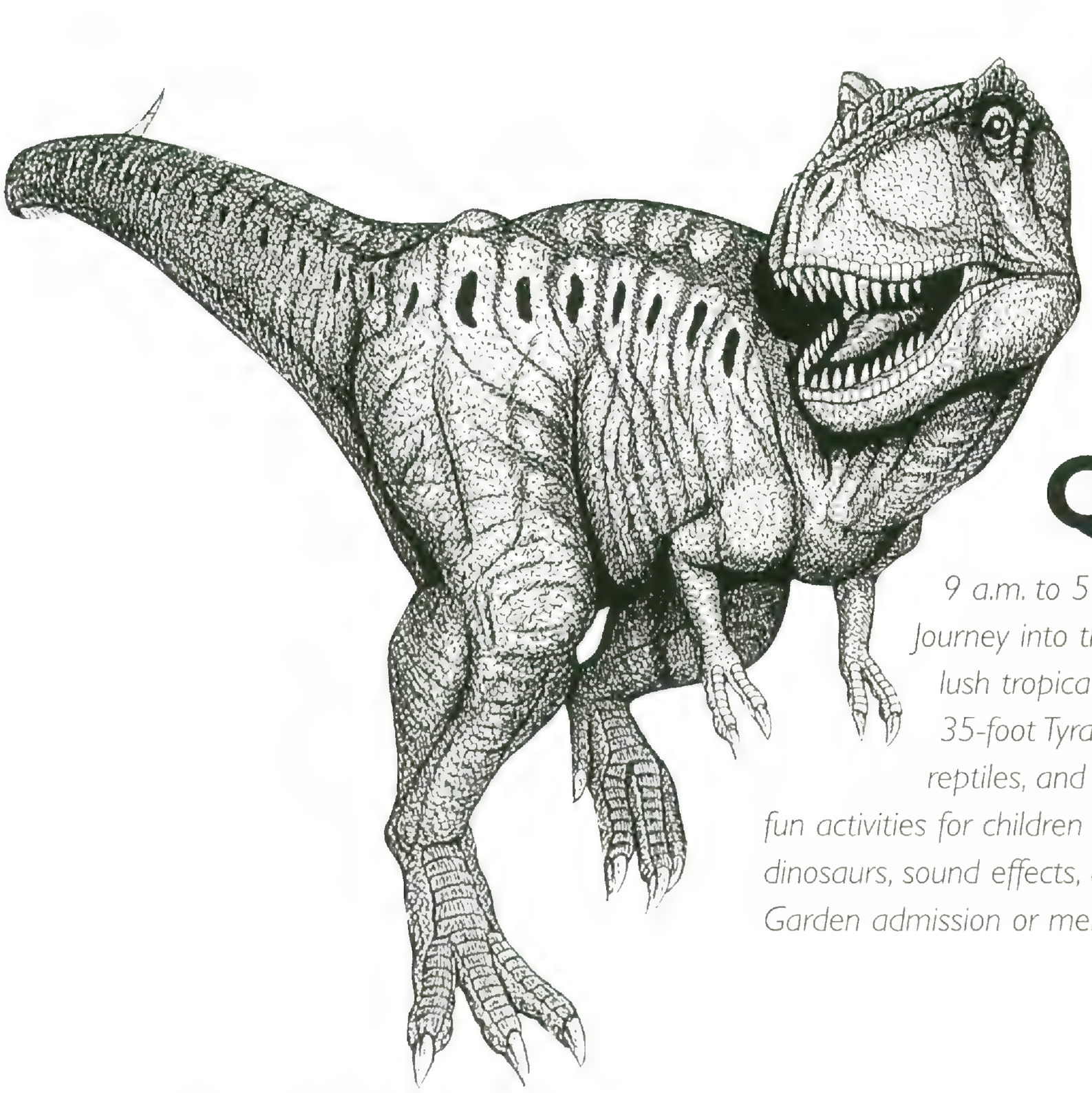
Missouri Orchid Society Mini Show and Sale

Saturday: 10 a.m. to 5 p.m.
Sunday: 9 a.m. to 5 p.m.
Ridgway Center. Free with Garden admission or membership.

February 17

Garden StoryTime

11 a.m., Garden Gate Shop. Listen to rhythmic tales of rain and learn how to make your own rainstick with storyteller Anne Short. See January 20 for details.



February 3 – March 31

Dino Quest

9 a.m. to 5 p.m. daily, Climatron® conservatory. Journey into the past and discover dinosaurs in the lush tropical rain forest. Life-like dinosaurs include a 35-foot Tyrannosaur, 3-foot Velociraptors, small flying reptiles, and a nest with eggs. Dino Quest includes fun activities for children and families, plants from the age of dinosaurs, sound effects, and opportunities to win prizes. Free with Garden admission or membership.

Jan. & Feb. Events

TIM PARKER

2 Sundays — February 11 & 18

3 p.m., Shoenberg Auditorium. The Garden's 11th annual Gospel music celebration features outstanding performances by musicians and choirs from local churches and organizations. Seating is limited, on a first-come, first-served basis. Free with Garden admission or membership.

February 24 & 25

Sugared & Spiced & Everything Iced

9 a.m. to 5 p.m., Ridgway Center. A fabulous display and demonstration of the art of cake decorating. Features exquisite hand crafted botanical decorations and wedding cake designs. Watch local experts decorate cakes and learn to add finishing touches to your own sweet masterpieces. Free with Garden admission or membership.

Winter Schedules

Trams will run at 10 and 10:30 a.m., 2 and 2:30 p.m., weather permitting. The Bascom House at Shaw Nature Reserve is open Tuesday through Sunday, 11 a.m. to 3 p.m. Tower Grove House is closed in January.

Free Walking Tours

1 p.m. daily, led by Garden Guides. Meet at Ticket Counter. Free with Garden admission or membership.

Ecological Adventures

Saturdays: 11 a.m. to 3 p.m., Brookings Interpretive Center. Hands-on demonstrations are a fun way to learn about the natural world. Free with Garden admission or membership.

Garden Walkers' Breakfasts

In cooperation with the American Heart Association, the grounds open early every Wednesday and Saturday morning at 7 a.m to encourage fitness walking. A light breakfast is available for purchase in the Garden Café starting at 7 a.m.

Members' Days 2001

January 20 Saturday

A Tropical Journey

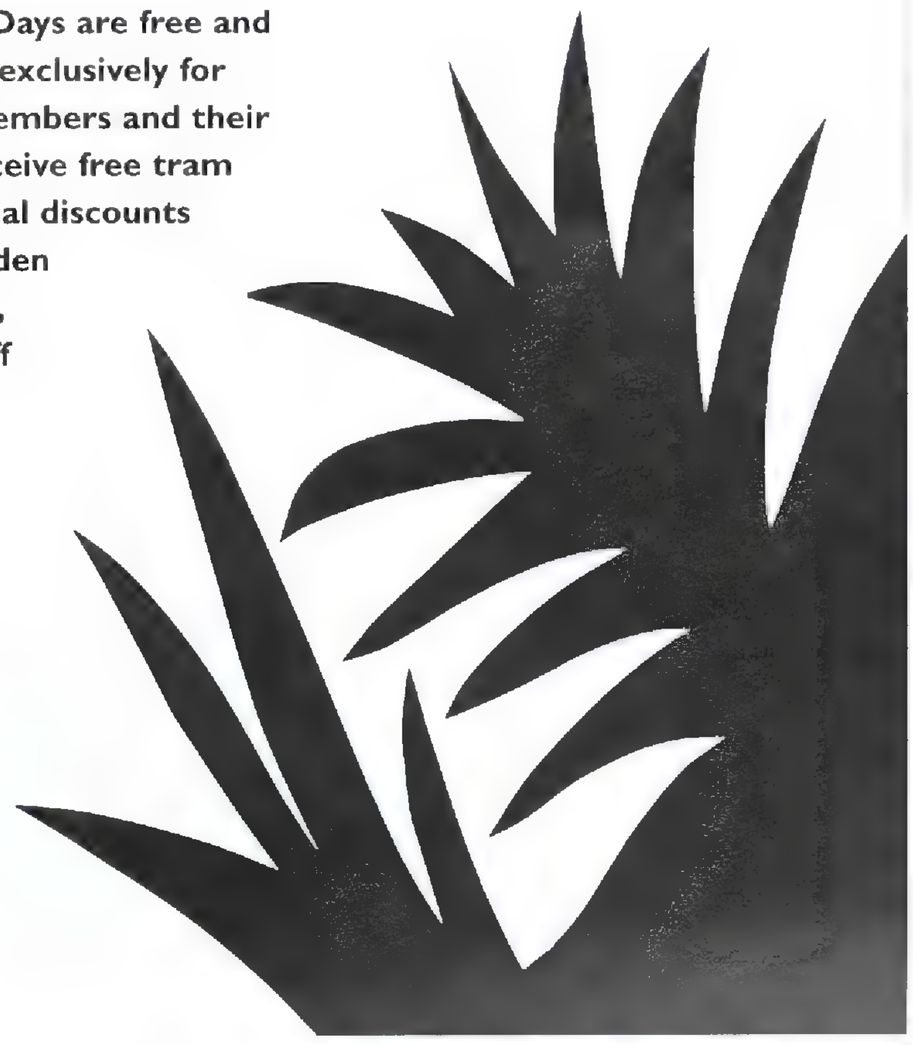
10 a.m. to noon. Bring the whole family for a tour of the Climatron® rain forest. See thousands of tropical plants, visit the Brookings Interpretive Center with its poison dart frogs and tropical fish, delight in "Tales of the Great Kapok Tree" presented by storyteller Diann Joy Bank at 10:30 and 11:30 a.m., and make a terrarium to take home. In the Garden Gate Shop, members receive an extra 5% discount on colorful bromeliads.

February 15 Thursday

Growing Orchids

11 a.m., Shoenberg Auditorium. For experts and novice orchid enthusiasts, Maury Frein from Ahner Florist and Greenhouses will share his tips on growing and cultivating orchids. In the Garden Gate Shop, members receive an extra 5% discount on all Missouri Botanical Garden signature orchid items, including jewelry, linens, clothing, magnets, soaps, notecards, and more.

Members Days are free and presented exclusively for Garden members and their guests. Receive free tram rides, special discounts in the Garden Gate Shop, and 10% off in the Garden Café.



Jan. & Feb. Events

Members' Valentine Dinner Dance

February 11 Sunday

Dinner – 6:30 to 8 p.m. • Music and Dancing – 7:30 to 10:30 p.m.
Cash Bar • Photo Opportunity

Enjoy a romantic dinner in Monsanto Hall, then stroll with your sweetheart through the Orchid Show, visit the Linnean House to enjoy the camellias in bloom, and dance the night away.

1st Course

Mixed Greens with Balsamic Vinaigrette and Shaved Parmesan

Entrees – Choice of One:

Roasted Salmon Filet with Mediterranean Crust

Grilled, Roasted New York Strip Loin, 8 oz., with Wild Mushroom Sauce

Accompaniments

Roasted Garlic Mashed Potatoes with Zucchini, Red Peppers, Carrots and Yellow Squash

Dessert

Chocolate Oblivion Torte with Apricot Brandy Sauce and Whipped Cream

Each pair of guests will receive a complimentary glass of Champagne

Dinner is $50 per person, gratuity is included.
Reservations must be received by February 5, 2001.
Please call (314) 577-9500. Seating is limited.

MEMBERS' DAYS 2001 – Mark Your Calendar!

Save these dates and enjoy all the special Members' Days this year.

JANUARY 20 Saturday — *A Tropical Journey*

FEBRUARY 15 Thursday — *Growing Orchids with Ahner Florist & Greenhouses*

MARCH 14 Wednesday — *Water Gardening with Doug Gilberg*

APRIL 21 Saturday — *Bird Watching at Shaw Nature Reserve*

MAY 15 Tuesday — *Early Morning Photo Shoot with Jack Jennings*

JUNE 8 Friday — *Members' Musical Evening*

JULY 22 Sunday — *Henry Shaw's Birthday Celebration*

AUGUST 10 Friday — *Chapungu Tours*

SEPTEMBER 15 Saturday — *Tree Talks and Walks*

OCTOBER 17 Wednesday — *Journey to Germany*

NOVEMBER 14 Wednesday — *Holiday Decorating with Botanicals on the Park*

DECEMBER 16 Sunday — *Holiday Concert*

Members

"A Garden of Gems" Benefits the Garden

A LOVELY EVENING at Antoinette's Jewelry in Ladue in November was a great success, thanks to the support and dedication of the Members' Board and the committee. Proceeds from the event benefit the "GEMS" program at the Garden, "Great Explorations in Math and Science." The evening included sparkling floral designs and beautiful jewelry creations, attendance drawings for jewelry, and a trunk showing of Hidalgo. Our deepest appreciation to Antoinette's for making the evening possible.

TIM PARKER

Cutline: Co-chairs Cheri Fromm (left) and Anne Hizar with Lawton Levy, owner of Antoinette's Jewelry.

Saturday, February 3

Young Friends Sponsor "Tropics 2001"

The Climatron® rain forest is the lush setting for "Tropics 2001," a tropical winter party from 8 p.m. to midnight. Featuring live music by Playtyme Review, a silent auction, prizes, beer, wine, soda, and tempting hors d'oeuvres. Sponsored by Anheuser-Busch, FM 104 The Mall, Hereford Printing Resources, Metropolis, and Pulaski Bank. Tickets are $35 per person, $25 for Garden members in advance. Join the Garden and receive $20 off a yearly membership. For reservations, please call (314) 577-9500 by January 29, 2001.

Thank You, Holiday Decorators

THE spectacular Victorian decorations at Tower Grove House during the holidays would not be possible without the participation of many volunteers. Our warmest appreciation goes to:

Joan Abeln

Botanicals on the Park

Daryl Cimiglia,
MBG Horticulture staff

Four Winds Garden Club

Julie Hess, MBG Horticulture staff

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Tower Grove House Auxiliary

Tower Grove House Historical
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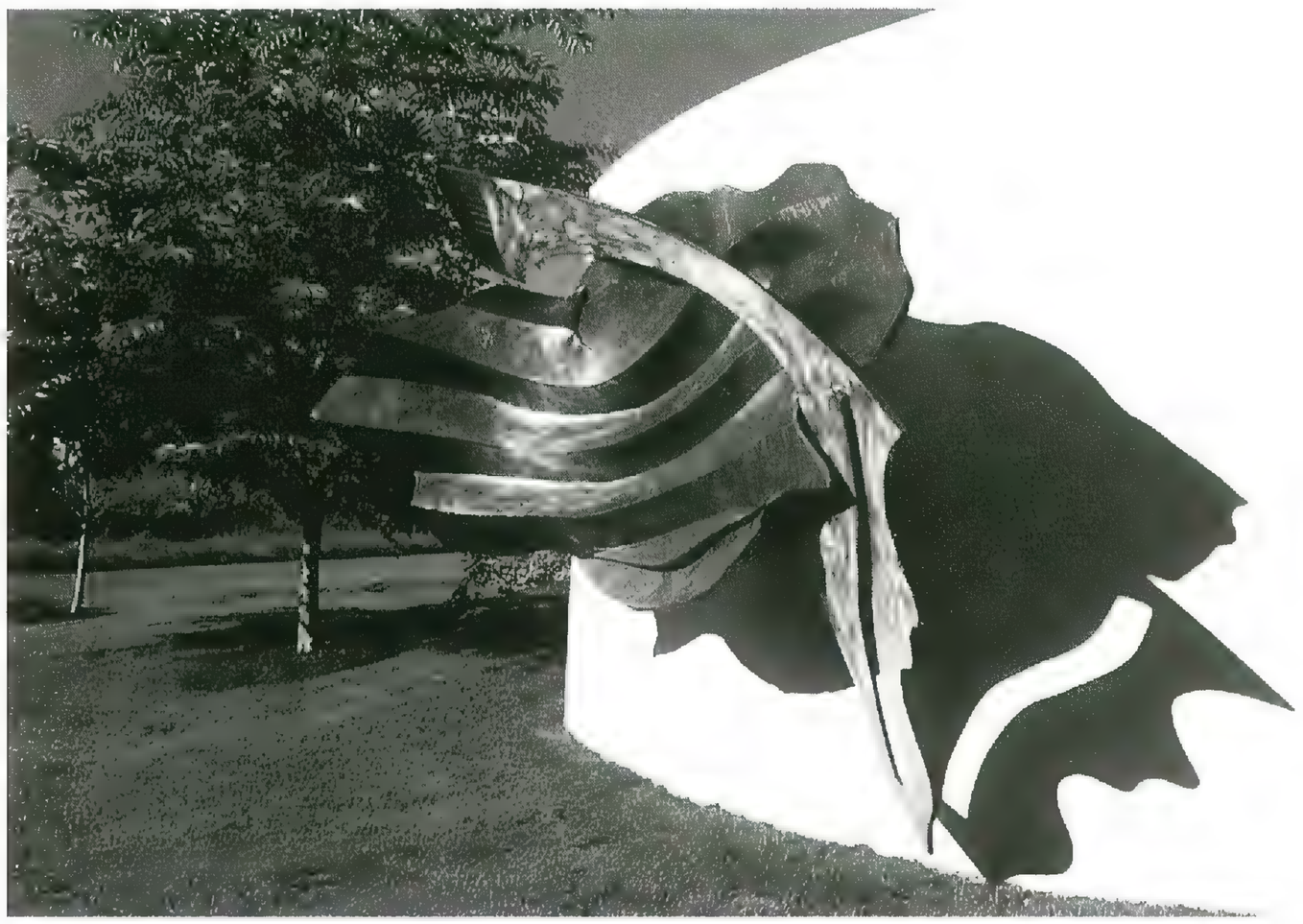
Natural History Adventures
Southern Africa and Namibia
September 11 – 25, 2001
Discover the breathtaking beauty of Cape Town, home of the world famous Kirstenbosch Botanical Garden, a partner of the Missouri Botanical Garden in research and education. See fascinating plants that survive in Namibia, one of the world's driest and most beautiful deserts, visit Etosha, one of the world's great game parks, and view exotic birds and desert elephants.
For more information and a trip brochure, please call (314) 577-5144.

News of Note

TIM PARKER



"Stubb's Supper" by Frank Stella is on display near the Blanke Boxwood Garden.

Lichtenstein Foundation Makes Gift of Stella Sculpture

A GENEROUS GRANT from the David B. Lichtenstein Foundation has provided support to purchase and endow the Frank Stella sculpture, "Stubb's Supper," which is on display near the Boxwood Garden. The large relief of painted metal has been on loan from the Greenberg Van Doren Gallery since July 1998.

The David B. Lichtenstein Foundation, a nonprofit, charitable corporation, was established in 1947. The organization operates primarily to fund capital projects with educational, scientific, religious, charitable, and literary purposes in Missouri.

We are very grateful to the Lichtenstein Foundation for making it possible for visitors to continue to enjoy this important work, together with the rest of the superb collection of sculpture at the Garden.

Frank Stella is widely renowned as one of America's greatest contemporary artists. His works often combine sculpture and painting, using abstract forms to convey an image or narrative. "Stubb's Supper" is one of a series of 135 works Stella based on each chapter of Herman Melville's *Moby Dick*.

JACK JENNINGS

"Deidre" and "Maura" — New Sculptures at the Garden

MR. AND MRS. ROBERT E. DONNELLY have donated two lifesize bronzes, by St. Louis sculptor Don Wiegand, to the Garden. The figures, which represent the Donnellys' daughters Maura and Deidre, were installed in November near the tram path just south of the Climatron® complex. The pieces depict the girls in a playful, running motion with the older sibling leading the younger one.

The figures of the two sisters were commissioned by the Donnellys when their daughters were 9 and 12 years old. The girls are now in their mid-twenties. A formal unveiling was held for family and friends on November 1, 2000, and the girls were presented with memberships to the Garden, so they can see "themselves" at any time.

"This beautiful grouping is a wonderful focal point in the Garden," said Patricia Arnold, director of development. "We are so grateful to the Donnellys for making it possible for everyone to enjoy these lovely sculptures, which seems to embody the delight all children find at the Garden."

Wiegand also created "Cora," a lifesize bronze figure of a young girl, which stands at the entrance to the Shoenberg Temperate House.

The bronze figures "Deidre" (left) and "Maura" by Don Wiegand are on display near the tram path south of the Climatron® complex.

News of Note

Celebrating the EarthWays Home – Past, Present and Future

Sustainability
Meeting the needs of the current generation
without compromising the ability of futu
tions to eet thei needs.

TIM PARKER

At the reception at the EarthWays Home (from left): Deborah Chollet, Alex Bornstein, Kate Fish, Peter Raven.

A RECEPTION on December 12 paid tribute to the creative energy and support of those who helped establish the EarthWays Home and looked ahead to a great future of enhanced service to the community. In November, 2000, the Home became part of the Missouri Botanical Garden as the headquarters of a new division, the Gateway Center for Resource Efficiency (formerly MERP). A gift from the Danforth Foundation provided support for launching the new division.

The EarthWays Home was established in 1992 as a model of energy efficiency and environmental stewardship by the EarthWays organization, a group that originated with the 1990 celebration of Earth Day in St. Louis. Practical difficulties in recent years reduced the level of activity at the Home.

Deborah Chollet, director of the Gateway Center, said, "We look forward to reopening the EarthWays Home as a demonstration facility and developing strong partnerships to promote energy efficiency in St. Louis. We salute the founders of EarthWays for their vision and and achievements and look forward to carrying forward their goals."

Kate Fish and Alex Bornstein, co-founders of EarthWays, paid tribute to the many organizations and individuals who gave generously of their time, talents, and resources to help tranform an abandoned house into the vibrant reality of the EarthWays Home.

Peter Raven said, "As part of the Missouri Botanical Garden, the EarthWays Home will contribute to the Grand Center area and continue to serve as a demonstration of values of fundamental importance to the community. We are very pleased and proud that the original values of EarthWays, even more important now than they were when the organization was established a decade ago, will continue to be represented fully to the St. Louis community."

TIM PARKER

Shown during the program in Shoenberg Auditorium (from left): Dr. Eric Sandweiss, director of research at the Missouri Historical Society; Dr. Malaika Horne, assistant professor of communications, Webster University, and co-chair of Sustainable Neighborhoods; Dr. Peter H. Raven; Dr. Virginia V. Weldon, senior vice president of public policy, Monsanto Company (retired); John Karel, director of Tower Grove Park, and Dr. Robert Archibald, president of the Missouri Historical Society.

Panel Discussion Series

"Henry Shaw in His Times and Beyond"

A HIGHLIGHT of the year-long celebration of Henry Shaw's 200th Birthday was a series of five panel discussions presented in September and October at the Garden. It was the most comprehensive public review ever undertaken of 19th century St. Louis, a vital crossroads of American culture. The final program, on October 24, featured a group of distinguished St. Louisans discussing "St. Louis Facing Two Centuries: From Henry Shaw's Time to Our Own."

Trustees

TIM PARKER

Nora Stern

Nora Stern Honored for 15 Years on the Board

THE BOARD OF TRUSTEES honored Nora Stern for 15 years of service as a Garden trustee at their November meeting. Mrs. Stern began volunteering at the Garden in 1963 and served three terms as president of the Members' Board. She was elected to the Board of Trustees in 1985, where she has served with distinction on the Capital Fund and Long Range Planning Committees.

Jack Thomas, first vice president of the Board, said, "Nora sets a standard for all of us. As probably the most active volunteer in the Garden's history, she has contributed countless hours and great creativity to the success of this institution."

Mrs. Stern's contributions over the years include chairing many of the Garden's most memorable and popular events, including several benefit galas, the annual Henry Shaw Dinner, and special members' events. In 1992, assisted by Ellen Dubinsky, she created the enormously popular Best of Missouri Market, which she and Mrs. Dubinsky have co-chaired for the past nine years.

Trustee Profile

David C. Pratt

THE BOARD OF TRUSTEES elected David C. Pratt as a Term Trustee on September 13, 2000.

Mr. Pratt founded United Industries Corporation in 1969, which was acquired by a Boston-based firm in 1999. Mr. Pratt retained five percent ownership of the company and remains director and consultant. Under his ownership, United Industries produced many well-known brands including Spectracide, Hot Shot, Real Kill, and Cutter.

Mr. Pratt is a part owner of the St. Louis Cardinals baseball team. He serves on the Advisory Board of Rossman School, the Board of Directors of the Sisters of Mercy Health System, and the Board of Directors of the St. Luke's Hospital Corporation.

TIM PARKER

Marie Schmitz, chairman of the Historical Committee, presents the research study to Peter Raven and Stephen Brauer, president of the Board.

Tower Grove House Celebrates 150th Anniversary

IN HONOR OF the 150th anniversary of Tower Grove House, the Historical Committee presented the results of a major research project to the Board of Trustees at the December meeting. The project, a review of furnishings of Henry Shaw's homes, revealed that Tower Grove House was completed in 1850, making the year 2000 its 150th anniversary.

Henry Shaw saved the receipts for almost every purchase he made and kept meticulous records and account books. Last summer, Gail Ramspott, a professional researcher, examined Shaw's records for information on all furnishings and decorations undertaken by Shaw during his lifetime. Checking every receipt from 1840 to 1889, she created a database that makes it possible to identify each purchase, from furniture to wallpaper. The information will ensure that refurbishments to the House are authentic. The study was made possible by support from The Wednesday Club of St. Louis and an anonymous donor.

Also during 2000, a consultation grant from the National Endowment for the Humanities supported a colloquium with local experts on ways to strengthen interpretive programs at the House. The Historical Committee also worked with Heritage Preservation in the Conservation Assessment Program for the Institute of Museum and Library Services to assess the condition of the House and its collections, resulting in recommendations for repairing the roof and replacing HVAC systems. The Committee will work to raise funds for these projects.

Raven Receives Lady Liberty Award

PETER H. RAVEN was named as one of the four inaugural winners of the Lady Liberty Award by the Goals for Americans Foundation in October. The award recognizes the vision and leadership of Americans who are addressing the challenges of the 21st century and moving society in positive directions. Raven was honored for Nature and the Environment. The other winners are General Wesley K. Clark, for National Security and World Peace; LaDoris Payne-Bell, president of WomanSpirit, Inc., for Education and Human Services; and Senator William V. Roth Jr., Rep. Delaware, for Commerce and Economic Development

MELISSA KURTZ

Peter Raven (left) receiving the Lady Liberty Award from Paul Flum, president of Goals for Americans Fondation.

St. Louis Global Ambassador Award Honors the Garden

WORLD TRADE CENTER SAINT LOUIS presented its prestigious St. Louis Global Ambassador Award to the Missouri Botanical Garden at its Growing Global 2000 event in October. Growing Global 2000 is the largest international business program of its kind in St. Louis. The award paid tribute to the Garden's leadership in research, conservation, and education around the globe and its contribution to representing St. Louis to the international community.

Larry DeBuhr Goes to Chicago Botanic Garden

DR. LARRY DEBUHR, director of education at the Garden since 1990, has been named vice president for education and programs at the Chicago Botanic Garden. He will begin his new position in January 2001.

"In the past 11 years, Larry has transformed our education division into a nationally recognized teacher training and science education program," said Peter Raven. "Today, more than 100,000 children and 3,000 teachers participate in Garden programs. Larry has been a wonderful asset to the Garden, and we congratulate him and wish him well."

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MARCH. – APRIL. 2000

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continued on page 20

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continued from page 19

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continued on page 22

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See the World

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By leaving a bequest to the Garden, you create a legacy that will benefit others for generations to come. If you have already included the Garden in your estate plans, we hope that you will share this information with us. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected. Please call Judi Schraer, Planned Giving Officer, (314) 577-9455 for further information and a complimentary brochure.

continued on page 23

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Inside This Issue

2.
A Tropical Journey
The Garden's fabulous orchid collection is featured in our annual display.

5.
Shaw Nature Reserve
Announcing a new name for Shaw Arboretum.

6.
Corporate Partners
A salute to the Boeing Corporation and other Corporate Partners.

7.
National Medal of Science
Peter H. Raven receives America's highest scientific honor.

8.
Home Gardening
Myths and facts on tree topping, plus the annual Dirt Festival.

11.
Calendar of Events
Dino Quest, 2001 Members' Days, Celebrate the Gospel, & more!

15.
News of the Members
"A Garden of Gems" and a trip to South Africa.

16.
News of Note
New sculptures at the Garden; honoring the EarthWays Home.

18.
Trustees
Honoring Nora Stern; profile of David Pratt.

Printed on recycled paper using soy-based inks.

A Tropical Journey:

"The Enchanted Jungle of Henri Rousseau"

Annual Orchid Show • January 27 – March 11, 2001

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See the World

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Missouri Botanical Garden

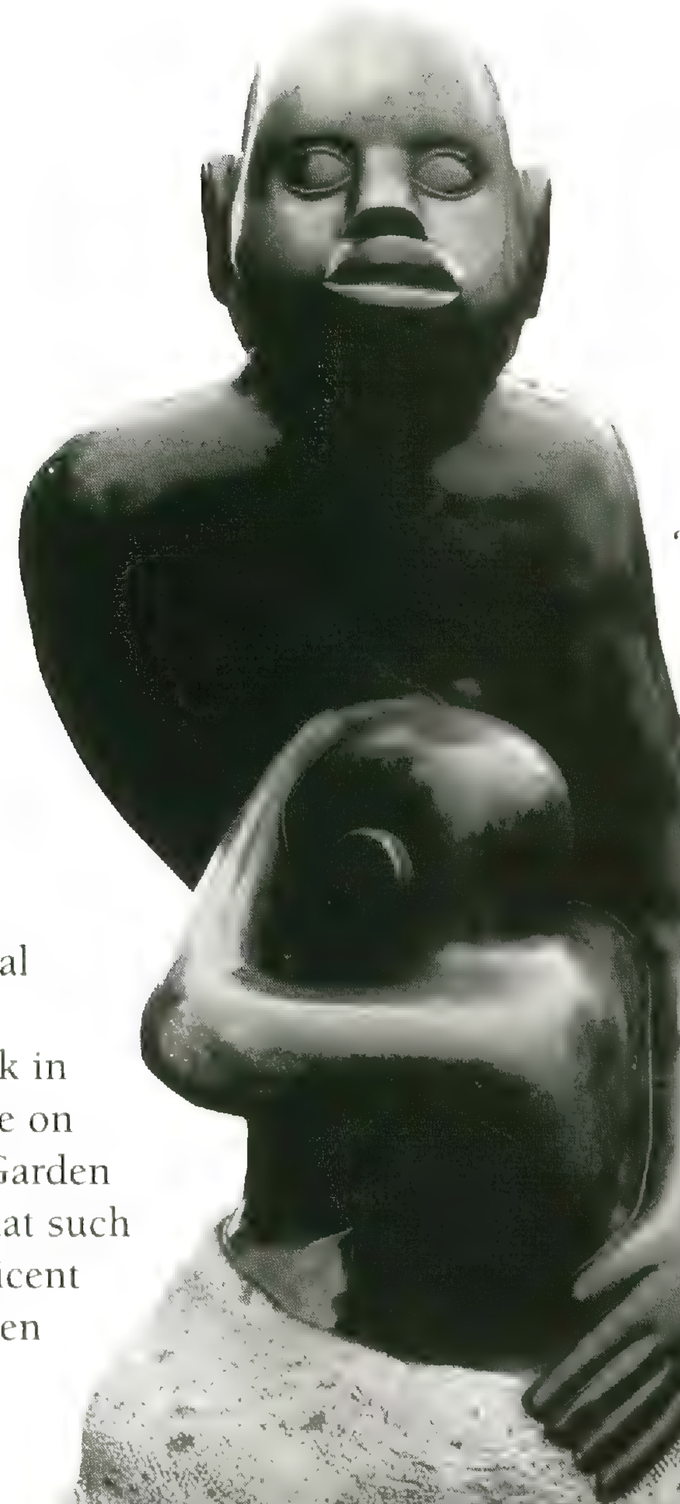
See the World

MARCH / APRIL 2001

CHAPUNGU
APRIL 28 – OCTOBER 7
See Page 2-3

VOLUME LXXXIX
NUMBER TWO

Members' Preview April 27
See Page 12



"Returning to my Sekuru"

SIXTY-SEVEN monumental stone sculptures from Chapungu Sculpture Park in Zimbabwe, Africa, will be on display outdoors at the Garden this summer. It is the first time that such a large exhibition of these magnificent contemporary works has been seen in the United States. The collection has been exhibited widely in Europe, most recently in 2000 at the Royal Botanic Gardens, Kew.

Created by the Shona people of Zimbabwe, the sculptures range from three to ten feet tall and weigh up to 6,000 pounds. They are carved from the natural stone of Zimbabwe: serpentine, springstone, verdite, and opal. Many will be mounted on pedestals made of natural tree trunks placed thoughout the Garden grounds.

Working in the most demanding of the visual arts, hand carved stone sculpture, the artists have created works that embody the depth and wisdom of an ancient African culture and way of life. The sculptures depict themes that resonate with all viewers: nature, family, custom and legend, village life, the spiritual world, and the roles of women and elders.

In Shona culture, "Chapungu" is a bird that is believed to ward off evil. The sculpture park has its roots in The Gallery Shona, one of only two private galleries that supported the arts during the final years of Zimbabwe's struggle for independence. Chapungu Sculpture Park was established in Harare in 1985 to acquire and safeguard outstanding works of art, helping to preserve the sculptural heritage of Zimbabwe.

Several of the artists will be in residence at the Missouri Botanical Garden during the exhibition. Original stone pieces created by Zimbabwean artists trained at Chapungu Sculpture Park will be available for purchase at the Kemper Center for Home Gardening. Special guided tours of the sculptures will be offered by the Garden Guides throughout the exhibition. Watch for details in the May/June *Bulletin*.

"Coming of Age"

PHOTOGRAPHS BY JERRY HARDMAN-JONES

"Man in a Trance"

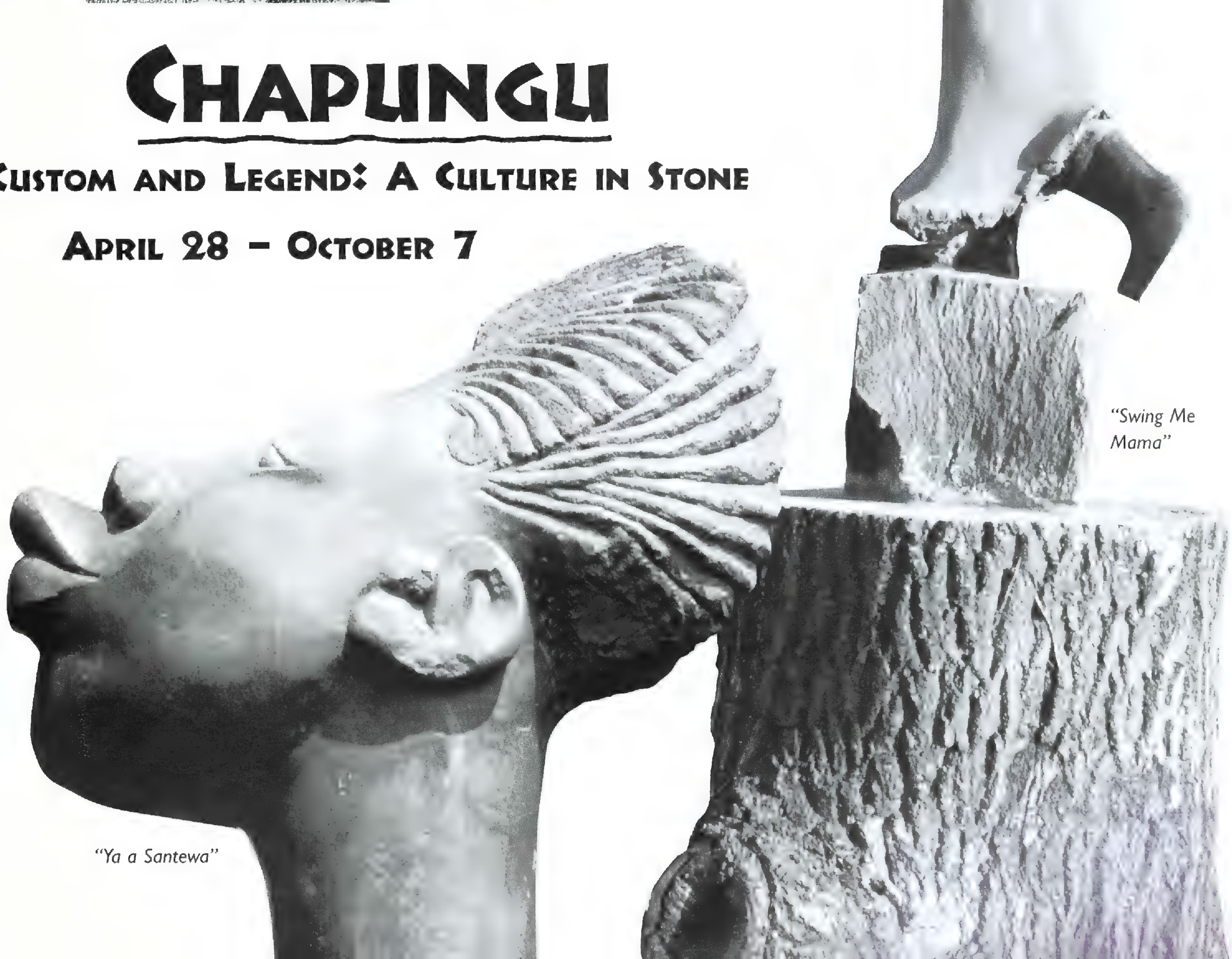
Protecting the Eggs">

CHAPUNGU

CUSTOM AND LEGEND: A CULTURE IN STONE

APRIL 28 – OCTOBER 7

"Swing Me Mama"



"Ya a Santewa"

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.

I FIRST ENCOUNTERED the extraordinary art of Chapungu Sculpture Park while visiting Kirstenbosch National Botanical Garden in Cape Town, South Africa. The powerful sculpture of the Shona people had never been shown extensively in the United States, and I resolved to find a way to bring the exhibit to the Missouri Botanical Garden.

This exhibition of more than 60 works should enhance and enrich our own cultures. It also underscores the Garden's global, multicultural embrace. Africa has been an important focus of the Garden's research for many years — with more than 700,000 African specimens in our herbarium collection, the Garden is the recognized center for the study of African botany in this country.

The beauty of our grounds provides a perfect setting for these magnificent works of art. I hope each of you will share in our sense of discovery and enjoy the array of special events and educational programs that will be part of the Chapungu exhibition.

The St. Louis community has a long tradition of supporting the Garden's activities. In December, you demonstrated your generosity with an outstanding response to the Henry Shaw Fund, the Garden's annual year-end appeal. We met our goal, but more important, over 800 people contributed to the Fund for the year 2000, a 30 percent increase over the previous year. This is a remarkable show of support for the Garden and its programs, and I extend sincere appreciation to each of you for your participation.

Thanks to your support, the Garden is able to provide programs and services of the highest caliber. Throughout the month of March, "DinoQuest," a display of life-like model dinosaurs in the Climatron® rain forest, provides opportunities to learn about dinosaurs, and a series of "Safari Breakfasts" on Saturday mornings offers fun for the entire family. We also encourage you to participate in the annual Earth Day celebration on April 20 and the Great Perennial Divide from April 23 to 30. (See pages 11 through 14). We look forward to seeing you here often this spring.

— Peter H. Raven, Director

Admission Increases for Non-Residents

As of January 1, 2001, non-residents of the Zoo-Museum District – those who do not live in the City of St. Louis or St. Louis County – are now charged $7 for adult admission to the Missouri Botanical Garden, an increase over the previous $5 fee. The increase, the first since 1998, helps to cover rising operating costs.

Admission for Garden members and all children age 12 and under continues to be free, and special rates for seniors continue. Admission for senior citizens living in the Zoo-Museum District remains at $1.50, and the rate for seniors living outside the Zoo-Museum District has increased from $3 to $5. As always, parking at the Garden continues to be free.

The Garden continues to offer free admission on Wednesday and Saturday mornings until noon and on Monday evenings from 5 to 8 p.m. during the Garden's extended hours from Memorial Day through Labor Day.

The cost of a Garden tram tour increased from $2 to $3 in January. Tram rides for children 2 and under are free.

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Missouri Botanical Garden
Post Office Box 299
St. Louis, Missouri 63166-0299

www.mobot.org

Important Phone Numbers:

(314) 577-5100
Development: (314) 577-5120
Patricia Arnold, director
Communications: (314) 577-0254
Brenda Jones, director
Membership: (314) 577-9500
Mary Krchma, manager
Public Relations: (314) 577-5141

Garden Hours:
9 a.m. to 5 p.m. every day except Christmas; 9 a.m. to 8 p.m. on Mondays Memorial Day through Labor Day. Grounds open 7 a.m. Wed. & Sat.

Shaw Nature Reserve:
(636) 451-3512 (toll free from St. Louis)

24-Hour Information:
GardenLine – (314) 577-9400
Or call 1-800-642-8842.

24-Hour Gardening Tips:
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On the Cover
"Coming of Age," shown at the Royal Botanic Gardens, Kew. Photograph by Jerry Hardman-Jones.

Editor
Susan Wooleyhan Caine

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The BULLETIN is sent to every member of the Garden as a benefit of membership. For a contribution of as little as $55 per year, members also are entitled to: free admission to the Garden, Shaw Nature Reserve, and Tower Grove House; invitations to special events and receptions; announcements of all lectures and classes; discounts in the Garden Gate Shop and course fees; and the opportunity for travel, domestic and abroad, with other members. For information, call (314) 577-5118.

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Trustees

2001 Annual Meeting

Board of Trustees Elects Officers

THE BOARD OF TRUSTEES held its annual meeting on February 7, 2001. Stephen F. Brauer was elected as president for a second year, and Jack E. Thomas Jr. was reelected as first vice president.

Scott C. Schnuck was named a regular trustee, and Jane Tschudy was reelected as a term trustee. Nora Stern and Hendrik Verfaillie became emeritus trustees.

Three new term trustees were elected to the Board: Edward D. Higgins, Nancy Rubenstein Siwak, and Robert Brookings Smith III. Profiles of the new members of the Board will appear in the May/June issue of the *Bulletin*.

From left: Jack E. Thomas Jr., first vice president, and Stephen F. Brauer, president, with Peter H. Raven.

As president of the Board during 2000, Stephen Brauer presided over an eventful year for the Garden. Among many achievements, implementation began on the long-range plan, the Garden joined with Tower Grove Park and the Missouri Historical Society to celebrate the 200th anniversary of Henry Shaw's birth, and Shaw Arboretum was renamed Shaw Nature Reserve.

Stephen Brauer has been a Garden trustee since 1988. A native of St. Louis, he is president of Hunter Engineering Company and a partner in St. Louis Cardinal Baseball. Jack Thomas, who became a trustee in 1990, is president and chairman of the board of Coin Acceptors, Inc. Both officers are active in many St. Louis cultural and civic organizations.

Corporate Partners

Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year.

For more information, please contact Rachel Hartmann, corporate / foundation officer, at (314) 577-9513 or email: Rachel.Hartmann@mobot.org.

We would like to recognize the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

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The Fabick Companies

Knight's Ltd.

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SSE, Inc.

Gifts & Grants

MARY BUTKUS

Judi Schraer Elected to Planned Giving Council

JUDI SCHRAER, planned giving officer for the Garden, has been elected to the Board of Directors of the St. Louis Planned Giving Council for a three-year term. The nine-member board is elected by the membership of the Council, which consists of more than 165 individuals representing both large and small charitable organizations, trust officers, financial planners, attorneys and fundraising consultants.

The Planned Giving Council facilitates, coordinates and encourages the education and training of the planned giving community and promotes effective communication among the many different professionals in the community. In her position at the Garden, Schraer assists individuals to achieve their charitable objectives through their estate plan, while benefitting themselves and their families.

Patty Arnold, director of development, said, "Our supporters have a strong belief in our mission and want to ensure that the Garden's good work can continue influencing the lives of others. The Planned Giving Program helps to make that possible."

Please contact Judi Schraer if you would like to discuss, confidentially and without obligation, any estate planning options or to request a brochure on the Heritage Society. She can be reached at (314) 577-9455, Judi.Schraer@mobot.org

Preserving America's Garden Masterpieces

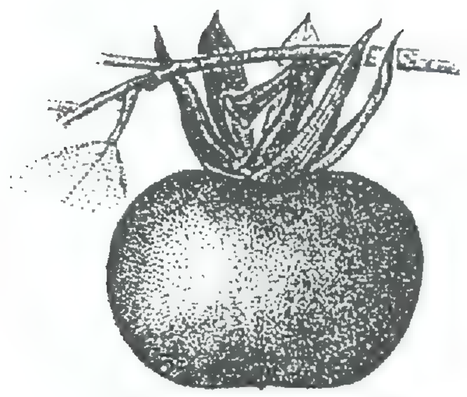
Garden Members Are Invited to a Special Program with the Director of the Garden Conservancy

ANTONIA ADEZIO, president and executive director of the Garden Conservancy, will give a special presentation for Garden members and their guests in Shoenberg Auditorium on April 11 at 11 a.m. Her lecture is a beautifully illustrated tour of today's great American gardens and an introduction to the challenges and opportunities in garden preservation for the 21st century.

The Garden Conservancy was founded in 1989 as the first, and only, national organization dedicated to preserving America's finest gardens. The Garden Conservancy works in partnership with individual garden owners as well as public and private organizations, and uses its legal, financial, and horticultural resources to secure each garden's future and to make it permanently accessible to the public.

On May 19, 2001, the Garden Conservancy will sponsor an "open day" at five private gardens in St. Louis as well as the Missouri Botanical Garden, Tower Grove Park, and Shaw Nature Reserve. By purchasing a copy of the Garden Conservancy's *Open Days Directory*, you will find directions to hundreds of gardens across the United States and the selected dates when they will be open to the public during 2001. To visit a garden on the specified day, visitors pay a $5 fee at each location.

The *Open Days Directory* is the exclusive source for locations of the private gardens. Proceeds from Open Days support the Garden Conservancy's programs. The *Open Days Directory* is available in the Garden Gate Shop or by calling toll free: 1-888-842-2442.



A Landmark in Botanical Research Is Published by MBG Press

Flora de Nicaragua

FLORA DE NICARAGUA is being published by MBG Press this spring, culminating nearly 23 years of botanical research. The three-volume work is the first modern flora of Nicaragua and the first complete flora of a Latin American country published in Spanish.

"We are very proud to announce the completion of this outstanding work," said Peter Raven. "Dr. W. D. Stevens, a former director of research at the Garden, assisted by editors Dr. Carmen Ulloa Ulloa, Amy Pool, and Olga Martha Montiel, worked closely with colleagues in Nicaragua to make this project a reality. It is a magnificent achievement and a major contribution to botanical knowledge."

Nicaragua is the largest country in Mesoamerica, with the largest expanse of natural forest. Yet historically the country has always been the least well-known to science. It is a significant region, where many North American floristic elements reach their southern limit and many Amazonian elements reach their northern limit.

Flora de Nicaragua was initiated by the Garden in the 1970s in response to the low level of scientific knowledge about the country's plants. The project was based on three major goals: to produce a floristic inventory, to establish a national herbarium, and to produce a manual in Spanish for the flora of the country. With initial funding from the late botanist B.A. Krukoff, W. D. Stevens was hired by the Garden in 1977 to supervise the project. Stevens lived in Nicaragua for ten years doing field collecting, working to establish the herbarium, and training Nicaraguan botanists, all in collaboration with Nicaraguan colleagues. *Flora de Nicaragua* is a joint project of the Garden and the government of Nicaragua.

Flora de Nicaragua describes 5,796 species in 1,699 genera in 225 families of seed plants. The largest family is Orchidaceae, with 601 species. Some 175 contributors from 16 countries participated in the project. The three-volume, 2,666-page work is available in the Garden Gate Shop.

Home Gardening

By Anne Gachuhi, Horticulture Specialist, University Outreach and Extension

MANY of us who grow our own fruits and vegetables at home already use "organic" techniques, such as composting and limiting our use of artificial pesticides. Here at the Kemper Center, the demonstration gardens are a showcase for sound horticultural practices that benefit the environment.

In our quest for healthier, more environmentally friendly foods, many of us prefer to purchase produce grown using organic methods. At the supermarket, many foods are labeled "organic." What does organic really mean? How can we know what we're buying?

National Standards

In the late 1980s, the organic farming industry petitioned Congress to draft the Organic Foods Production Act to define production and certification standards for the term organic. Once the Organic Food Production Act of 1990 was passed, the United States Department of Agriculture began to develop federal standards for organic foods. In December, 2000, Agriculture Secretary Dan Glickman announced the final national standards for the production, handling, and processing of organically grown agricultural products. "This is the strongest and most comprehensive organic standard in the world," said Glickman.

For consumers who want to buy organic foods, the standards ensure that they can be confident in knowing what they are buying. For farmers, these standards create clear guidelines on how to take advantage of the growing demand for organic products. And for the organic food industry, these standards provide an important marketing tool to help boost exports, since trading partners will now deal with only one national standard rather than multiple state and private standards.

Essentially, the new federal standard offers a national definition for the term "organic." It details the methods, practices and substances that can be used in producing and handling organic crops and livestock, as well processed products. It establishes clear organic labeling criteria, and specifically prohibits the use of genetic engineering methods, ionizing radiation, and sewage sludge for fertilization.

All agricultural products labeled organic must originate from farms or handling operations certified by a state or private agency accredited by the USDA. Suppliers that sell less than $5,000 worth per year of organic agricultural products are exempt from certification. Farmers and handlers have 18 months to comply with the national standards.

Consumers can also look for the USDA organic seal,

GROWING **ORGANIC**

which can only be used on products that have been certified by USDA-approved agents. This seal assures consumers that the maker of the product is part of a rigorous certification program and has been thoroughly reviewed by professional inspectors trained in organic agriculture.

What Does Organic Really Mean?

The terms "organic food" or "organically grown" refer to foods produced without the aid of manufactured chemical fertilizers, inorganic pesticides, food additives, growth regulators, antibiotics, hormones, ionizing radiation, or recombinant genetic manipulation of plants or animals. Prohibited products and practices must not be used on certified organic farms for at least three years prior to harvest of the certified organic products. When necessary, some "natural" or non-synthetic pesticides may be permitted. These products must be registered for use in the specific crop-pest situation by federal and provincial regulations and allowable for use within the organic crop production standards. Livestock must be raised organically and fed 100 percent organic feeds for at least twelve months prior to slaughter (varies with livestock species). All grains, forages and protein supplements fed to livestock must be organically grown.

"Certified organic" refers to agricultural products that have been grown and processed according to strict uniform standards, verified annually by independent state or private organizations. Fields and processing facilities are inspected for long-term soil management, buffering between organic farms and any neighboring

continued on page 10

MARY BUTKUS

Profile – *Anne Gachuhi*

Anne Gachuhi, a native of Kenya, grew up in a family of six children. She originally planned to pursue a degree in business, but switched to horticulture and earned a B.S. from Egerton University in Kenya and a master's degree from Wageningen Agriculture University in Holland. She was an extension coordinator in Nairobi, a farm manager for Industrial Farms, Inc., a lecturer at Egerton University, and studied and worked in Western Europe, England, and in Florida before coming to St. Louis.

At the Kemper Center for Home Gardening, Gachuhi serves as the horticulture specialist for University Extension. Her responsibilities include helping to coordinate educational outreach programs and the activities of several hundred St. Louis Master Gardener volunteers.

Growing roses is her passion, she says, and adds, "Gardening has a purpose beyond bringing beauty into our lives. It also brings people together and breaks down barriers."

Home Gardening

New Kemper Center Web Pages

2,000 Plants Online

www.mobot.org/outreach

UNTIL RECENTLY, you had to visit the Kemper Center for Home Gardening to get information about the plants growing in the 23 demonstration gardens. Now visitors online will discover more than 2,000 colorful pages of detailed background for each plant on display. You will see the plants and learn about their characteristics, origin and culture, including how best to grow them in Missouri. Many plants are already illustrated with a photo, and more are being added.

Imagine finding out everything you need to know about plants with a click of your computer mouse.
Now you can – plus a whole lot more.

Alan Stentz, a St. Louis Master Gardener and Kemper Center volunteer, spent thousands of hours researching the more than 2000 plants. "Alan is a retired lawyer and lifetime gardener," said Glenn Kopp, head of adult education at the Garden and creator of the web pages. "Alan's meticulous research in books, catalogs and on the Internet has resulted in what we believe to be the most comprehensive, useful collection of information on these plants available anywhere on the web." As new plants are grown at the Center, the site will expand.

MARY ANN KRESSIG

Comprehensive information about everything that grows in the outdoor demonstration gardens at the Kemper Center for Home Gardening.

The Garden's horticulture website also features 300 HortLine messages and 70 Integrated Pest Management topics. Bob Harris, a St. Louis Master Gardener and Kemper Center volunteer, has researched and added 40 new Integrated Pest Management messages. More developments are planned, so set your browser to www.mobot.org/outreach to find links to these and other resources.

Growing Organic – *continued from page 9*

conventional farms, product labeling, and record keeping. Reviews include cleaning and pest control methods, ingredient transportation and storage, record keeping and audit control. Organizations and certifying boards are in place to certify organic produce that meets the official organic standard.

Horticultural Techniques

Organic farmers encourage balanced relationships between hosts and predators to keep pests in check without the use of synthetic insecticides. To controls pests and diseases, organic farmers build healthy soils through the use of cover crops, compost, and biologically based soil amendments. This produces healthy plants, which are better able to resist disease and insects.

Specific horticultural techniques include avoiding or limiting crops that are highly susceptible to insects and using transplants to limit exposure to potential insect attack. When feasible, organic farmers destroy pests by knocking insects from foliage into a bucket containing a mixture of water and kerosene or oil. As a last resort, botanical or other non-toxic pesticides may be applied under restricted conditions. Weeds are controlled through increased cultivation, use of cover crops, mulches, flame weeding, and crop rotation.

For A Healthy Environment

Organic farmers bear most of the same costs as conventional growers for planting, harvesting, transportation and storage, but organically produced foods must also meet strict regulations governing all these steps. The process is often more labor intensive, and organic farming tends to be on a smaller scale. All of these factors tend to make organic foods more expensive, but many growers and consumers are willing to pay a premium to help promote a healthy environment.

New Master Gardeners Needed

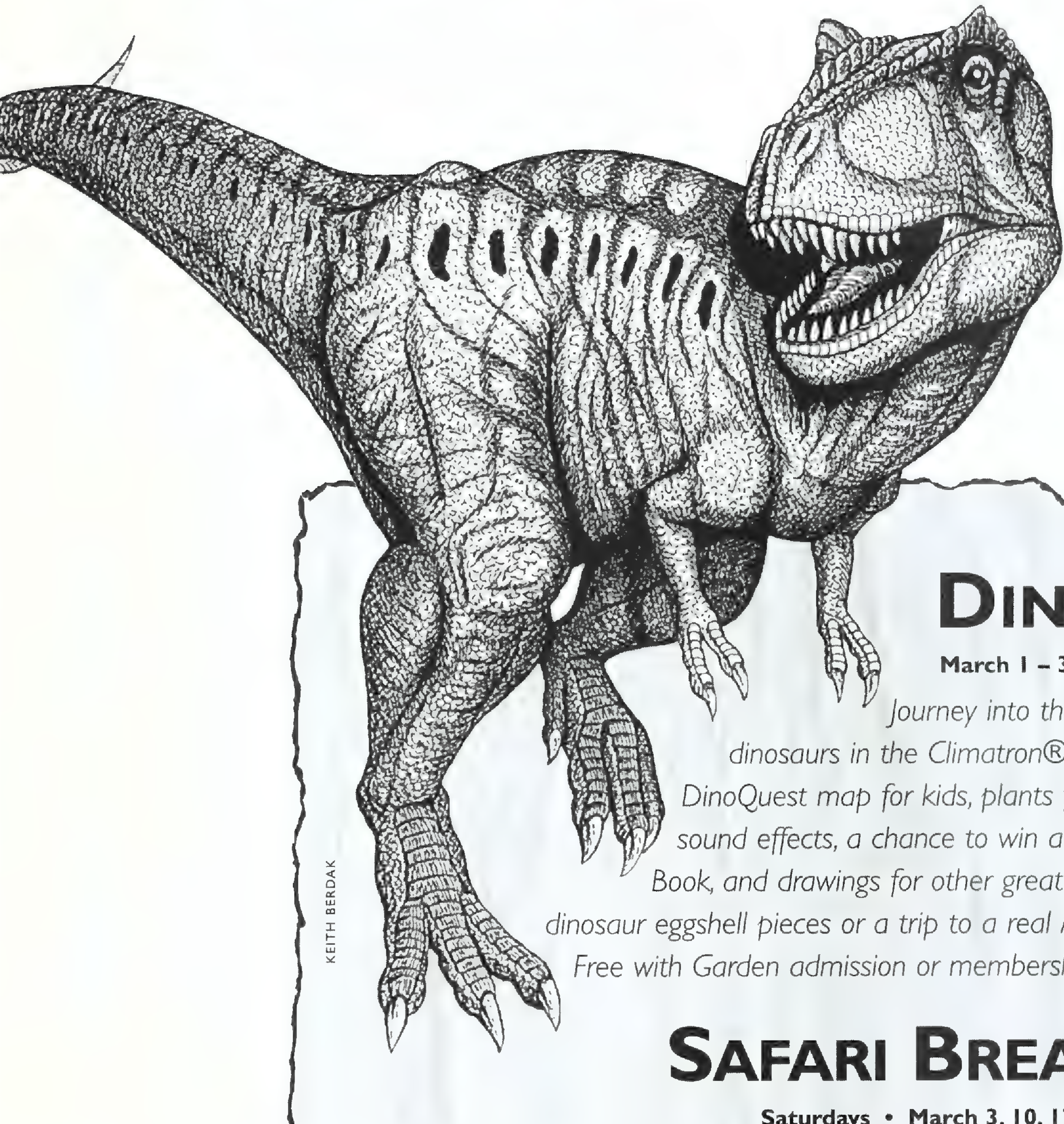
Applications are being accepted for the St. Louis Master Gardeners. The training program begins in August, and some scholarships will be available. For more information or an application, call Anne Gachuhi at (314) 577-9442 or Steve Cline at (314) 577-9561.

Celebrate Arbor Day at the Kemper Center and Vote for America's National Tree!

Plans are underway to name our national tree! Visit the Kemper Center for Home Gardening on Arbor Day, Friday, April 6, to cast your official vote. Adults and children are invited to participate, and every vote counts. St. Louis Master Gardeners will be on hand to answer your questions and provide information on the planting and care of trees. Pick up your free ornamental tree and register to win a gift certificate good for one of the Garden's excellent Adult Education Courses beginning this spring.

Calendar of Events

March & April



KEITH BERDAK

DinoQuest

March 1 – 31 • 9 a.m. to 5 p.m. daily.

Journey into the past and discover life-like dinosaurs in the Climatron® rain forest. With a fun DinoQuest map for kids, plants from the age of dinosaurs, sound effects, a chance to win a free DinoQuest Activity Book, and drawings for other great prizes, including real dinosaur eggshell pieces or a trip to a real Missouri dinosaur dig. Free with Garden admission or membership.

Safari Breakfasts

Saturdays • March 3, 10, 17, 24, & 31

9 a.m., Garden Café. Join us for a full breakfast hosted by Guy Darrough, paleontologist and builder of the dinosaurs in the exhibit, followed by a chance to explore DinoQuest. All children receive a safari kit, including pith helmet, magnifying glass, DinoQuest map, and other dinosaur memorabilia. $13 for members, $15 for non-members. Please call (314) 577-5125 for reservations.

March & April Events

March 1 – 11

Orchid Show: "A Tropical Journey: The Enchanted Jungle of Henri Rousseau"

9 a.m. to 5 p.m. daily, Orthwein Floral Hall. The final days of the annual Orchid Show. Flower show admission is $2 adults, $1 seniors 65 and over, plus regular Garden admission. Free to members and children 12 and under.

March 1 – 16

Exhibits: "At Water's Edge" and "Fire! A Natural Process"

9 a.m. to 5 p.m. daily, Ridgway Center. Free with Garden admission or membership.

March 6 Tuesday

Trip Preview: "Southern Africa: Cape Town and Namibia"

7 p.m., Ridgway Center. Enjoy a free review of the trip coming up September 11 to 25, 2001. For more information call (314) 577-5144.

March 17 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop book department. For children ages 4 to 10. Enjoy stories about dinosaurs! Parents and guardians are welcome to attend, and children under 4 must be accompanied by an adult. All children's books are an additional 10% off for those attending StoryTime. Free with Garden admission or membership.

March 22 – April 13

Student Art Exhibit: "See the World"

9 a.m. to 5 p.m. daily, Ridgway Center. Winning entries from the Garden's second annual juried art contest for local students in grades 6 to 12. Sponsored by AmerenUE and presented by Tower Grove House Auxiliary. Free with Garden admission or membership.

Sundays
March 25 – April 29

"From the Garden, Live"®

Noon, Shoenberg Auditorium. Classic 99's spring concert series is broadcast live on 99.1 FM. Sponsored by KFUO-FM and the Garden. Call (314) 725-0099 for ticket information. Free.

March 31 – April 1
Saturday & Sunday

Orchid Show and Sale

Saturday: 10 a.m. to 5 p.m.
Sunday: 9 a.m. to 5 p.m.
Presented by the Orchid Society of Greater St. Louis in Orthwein Floral Hall. Free with Garden admission or membership.

JERRY HARDMAN-JONES

CHAPUNGU

CUSTOM AND LEGEND: A CULTURE IN STONE

April 28 – October 7

A magnificent outdoor exhibit of 67 monumental stone carvings from the Chapungu Sculpture Park in Zimbabwe. Sculptures will be placed throughout the Garden on pedestals made of natural tree trunks. One of the most important exhibitions of contemporary African sculpture ever presented in this country. *See pages 2-3.*

April 27 Friday – Members' Preview Party

5:30 to 7:30 p.m. • Opening Ceremony – 6 p.m.
Entertainment, cash bar, tours of the exhibit.
Free, for members only.

April 28 & 29 Saturday & Sunday – Grand Opening

10 a.m. to 5 p.m., grounds. Events throughout the day include African drumming and performances by the St. Louis African Chorus. Free with Garden admission or membership.

At left: "Keeping the HIstory"

March & April Events

March 31 – April 1
Saturday & Sunday

Daffodil Show

Saturday: Noon to 5 p.m.
Sunday: 9 a.m. to 5 p.m.
Presented by the Greater St. Louis Daffodil Society. Ridgway Center. Free with Garden admission or membership.

April 7 Saturday

World Tai Chi Day

Noon to 4 p.m., Cohen Amphitheater. Local Tai Chi schools perform in honor of the international observance of Tai Chi Day. Free with Garden admission or membership.

April 7 & 8
Saturday & Sunday

Lily Sale

9 a.m. to 5 p.m. daily, Ridgway Center. Sponsored by the Mid-America Regional Lily Society. Free with Garden admission or membership.

April 10 Tuesday

Jane and Whitney Harris Lecture

7:30 p.m., Shoenberg Auditorium. How do tropical forests work? How do they affect world climate? Research in rain forests of Costa Rica provides startling new views. A lecture by Dr. Deborah Clark, research professor of biology at University of Missouri – St. Louis, is presented by the International Center for Tropical Ecology at UM-St. Louis. Refreshments following the lecture. Free.

April 15 Sunday

Easter Parade

Noon to 4 p.m., Ridgway Center. Show off your Easter bonnet at the Garden! Beautifully decorated hats will be available, or make your own on the spot, using Chinese woven straw hats recently saved from the landfill by the St. Louis Teachers Recycling Center. Free with Garden admission or membership.

April 20 – June 1

Exhibit: "George Washington Carver"

9 a.m. to 5 p.m. daily, Ridgway Center. Black and white photographs from the University of Delaware exhibition "Through These Eyes: The Photographs of P.H. Polk." Forty images of Carver taken by Polk during their years together at Tuskegee Institute. Free with Garden admission or membership.

April 20 Friday

Third Sustainable Building Conference

7 p.m. to 9 p.m., Shoenberg Auditorium. A public seminar in honor of Earth Day features Hal Levin, architect and leader in sustainable building techniques. Free.

April 21 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop. Enjoy stories that celebrate our planet, in honor of Earth Day. See March 17 for details.

April 21 Saturday

Earth Day Celebration

10 a.m. to 5 p.m. Learn what you can do to help ensure a healthy future for the planet. Enjoy displays and demonstrations by organizations of the Missouri Environmental Fund. Participate in Eco-Adventures in the Brookings Interpretive Center, and create a spring hat, courtesy of the St. Louis Teachers Recycling Center. Free with Garden admission or membership.

Special Members' Event • April 7 Saturday

Spring "Egg"stravaganza

10 a.m. to noon, for children ages 2 to 10. Enjoy springtime fun plus an egg hunt at 10:30 and 11:30 a.m. Meet "Bunny" the Garden Rabbit and bring your camera! Refreshments will be served. Reservations recommended by April 2 – call (314) 577-9500. Free, for members only.

April 21 & 22
Saturday & Sunday

Grand South Grand House Tour

11 a.m. to 5 p.m. daily. Celebrate the neighborhoods and historic homes near the Garden with "A Grand Past, A Grand Present." For tickets and information, call (314) 773-4844.

April 21 & 22
Saturday & Sunday

African Violet Show and Sale

9 a.m. to 5 p.m., Orthwein Floral Hall. 46th annual show and sale sponsored by the Metropolitan St. Louis African Violet Council. Free with Garden admission or membership.

April 22 Sunday

Langston Hughes St. Louis/World Black Poetry Festival

4 p.m., Shoenberg Auditorium. Local and nationally recognized poets read works in honor of Hughes, an African American poet born in St. Louis, and National Poetry Month. Featuring Eugene B. Redmond, Rod Tate, Mari Evans, and Alison Funk. Free with Garden admission or membership.

April 23 – May 31

Exhibit: "What's In a Plant's Life"

9 a.m. to 5 p.m. daily, Ridgway Center. Exhibit of 35 nature photographs by Ruth Hoyt. Free with Garden admission or membership.

April 25 Wednesday

Lecture: "Nature's Metropolis"

4 p.m., Missouri Historical Society Auditorium. Lecture by Dr. William Cronon, Frederick Jackson professor of history, geography and environmental studies at the University of Wisconsin – Madison and author of the award-winning *Nature's Metropolis: Chicago and the Great West*. Co-sponsored by the Missouri Historical Society and the Missouri Botanical Garden. Free.

April 27 Friday

Lecture: "Ancient Aquatic Plants"

Booksigning and lecture by Ed Schneider, director, president and chief executive officer of the Santa Barbara Botanic Garden. Booksigning: 3 p.m., lecture: 3:30 p.m., reception: 4:30 p.m. The Monsanto Center, 4500 Shaw. Free.

May 2 – 6

Spring Plant Sale

See page 21 for details.

March & April Events

5th Annual Great Perennial Divide – May 12

Great Perennial Divide Hotline: (314) 577-9484

SHARE YOUR EXTRA PLANTS with community gardeners. Last year over 20,000 potted plants, plus masses of ground covers and bulbs, were donated to 140 gardens that have been established on abandoned urban land. Sponsored by Gateway Greening, Inc.

Digging Crews

If you need help to prepare your plants, call for a digging crew by April 2.

Plant Sale

As a special thank you, there will be a plant sale for volunteers and donors on Friday, May 11, and a public sale on Saturday, May 12. Featuring plants donated by local nurseries and growers, including Ahner's Nursery, Bowood Farms, Cottage Garden, Timber Creek, and Treeland, plus local plant societies. Proceeds help provide equipment for the community gardens.

Collection Sites Open April 23 – 30

Volunteers will be at each site to receive and care for your plants. Pots and soil mix available. Call (314) 577-9484 for locations:

Affton /Sunset Hills / South St. Louis
Chesterfield
Clayton / Ladue / Frontenac
Fenton
Hazelwood / Bridgeton
Kirkwood West / Ballwin
Kirkwood South / Fenton
Lake St. Louis
St. Charles
St. Louis City – Peerless Restaurant Supply
Webster Groves
Wildwood

Here's What We Need:

No invasive mints, crown vetch, or orange daylilies please.

No clay pots.

Shasta daisies
Coneflowers
Black-eyed Susans
Asters
Irises
Daylilies
Bulbs and corms
Ornamental grasses
Lambs ears
Sedums
Hostas
Lilies of the valley
Vincas
Pachysandras
Columbines
Annual and perennial herbs
Named cultivars of any kind
Shovels, rakes, trowels, forks, wheel barrows, mowers, trimmers, gloves and hoses

March 14 Wednesday • MEMBERS' DAY

Water Gardening

11 a.m., Shoenberg Auditorium. Presented by Doug Gilberg of Gilberg Perennial Farms. This is the year to put in that water garden you've always talked about. Learn great tips and ideas for this popular gardening style. Seating is on a first-come, first served basis. Free, for members only. In the Garden Gate Shop, members receive an extra 5% discount on water garden accessories and books.

April 21 Saturday • MEMBERS' DAY

Bird Watching at Shaw Nature Reserve

8:30 to 11:30 a.m., Gray Summit, Missouri. Bring your binoculars and wander through the five-acre Whitmire Wildflower Garden to catch a glimpse of our feathered friends. Jim Jackson, instructor at Shaw Nature Reserve, will be on hand to answer questions. Coffee and juice will be served at the Bascom House. Free, for members only. Call (636) 451-3512 for directions. In the Garden Gate Shop, members receive an extra 5% discount on bird houses, feeders, calls, CD ROMs, and books.

Members

Members' Board Annual Meeting

THE MEMBERS' BOARD held its annual meeting on January 8, 2001. The Board reelected Susie Littmann Schulte as president and Carol Squires as first vice president. Andrea Tramelli was named as second vice president, Rich George as treasurer, Nancy Sauerhoff as recording secretary, and Kathleen Dudley as corresponding secretary. New members elected to the Board are Sally Cohn, Julie Cowhey, Laure Hullverson, Becky Scott, and Anne Suppiger.

TIM PARKER

Officers, from left: Andrea Tramelli, Nancy Sauerhoff, Rich George, Carol Squires, Susie Schulte. Not pictured: Kathleen Dudley.

TIM PARKER

New Board members, from left: Sally Cohn, Julie Cowhey, Susie Schulte, Becky Scott. Not pictured: Laure Hullverson and Anne Suppiger.

A New Gift for Garden Members

This colorful canvas tote bag with a picture of the Japanese Garden's zigzag bridge is yours when you renew or purchase a gift membership during 2001. Upgrade your membership to Contributing Plus or above, and receive a great looking, handy travel/sports bag as our thank you.

Save the Date!

Mother's Day Luncheon and Fashion Show

Friday, May 11, 2001

Bring your mother and special guests to a delightful luncheon and showing of spring fashions, sponsored by Dillards. Seating in the outdoor tent at the Ridgway Center. Watch the mail for your special invitation. And don't forget – a Garden membership makes a wonderful Mother's Day gift!

Members

MARY BUTKUS

Congratulations to Winners of Trip to London

MR AND MRS. FRED BOSCHERT of St. Charles, Missouri, are the lucky Garden members who won round-trip airfare to London, including a private tour of the Royal Botanic Gardens, Kew. The Boscherts entered the drawing for the trip as part of the Garden's membership campaign last year in honor of the 200th birthday of Henry Shaw. Shown presenting a Garden travel bag to the Boscherts are Mary Krchma, membership manager (left) and Patty Arnold, director of development (right).

TIM PARKER

Shown enjoying the evening are Susan Squires (left), Steve Breihan and Ronda Latina, co-chairs for the evening (center), and Rich George (right).

Mother's Day Is May 13

A Special Surprise for Mom

This year, when you surprise your mom with a gift membership to the Garden, she will also receive a pair of MBG gardening gloves and wildflower seeds specially packaged with a Mother's Day greeting from you.

A regular Garden membership is $55, and a senior membership for age 65 and over is $50.

For information or to order by phone, please call (314) 577-5118.

And remember – you can renew or purchase memberships online at www.mobot.org.

Young Friends Sponsor Tropics 2001

"A Swingin' Good Time"

The Climatron® conservatory was the setting for a "Tropics 2001" on Saturday evening, February 3, as the Young Friends welcomed 234 guests to party at the Garden.

Our special thanks go to the sponsors for the evening: Metropolis, FM 104 The Mall, Anheuser-Busch, Hereford Printing Resources, and Pulaski Bank.

The Young Friends organization has raised funds to add to the colorful banners inside the Ridgway Center. The new butterfly, snail, lily and lily pad banners will be hung this spring. Watch for details in the next issue.

Not Just a Walk in the Park

By Gordon McPherson, Ph.D.

GORDON MCPHERSON

Exploring the threatened forests of Equatorial Africa.

WITH North America's largest collection of African plants — nearly 700,000 specimens — the Garden is well equipped to play a significant role in studies of Africa's biodiversity. Our current collaborative projects involve Gabon, Madagascar, South Africa, and Tanzania.

Last September, I was pleased to join Wildlife Conservation Society biologist Dr. Mike Fay as he continued a trek begun a year earlier in the Republic of Congo. The "Megatransect" traverses the remotest blocks of undisturbed forest remaining in this part of Equatorial Africa. The aim is to record a glimpse of them before our own species intrudes.

Soon it may be impossible to find a ridge-top elephant trail that meanders from one canopy tree to another; impossible to call in chimps curious to observe an unfamiliar fellow primate; impossible to chance on a small bog shared by forest crocodiles, herds of elephants, and families of gorillas. Fay hopes that his baseline data will at least permit future generations to evaluate how the original forest has changed — can the same tree species still be found in the same size classes? Are the panthers, bush pigs, elephants, and gorillas still as common as their scats now indicate? Is the understory still as open? Are the same twitterings and chirpings, whoops and howls still to be heard?

Following a ridge-top elephant trail; observing chimps that are unfamiliar with humans; discovering forest crocodiles, herds of elephants, and families of gorillas.

Fay's long experience in tropical Africa began in the 1980s, when he worked on the ecology of lowland gorillas for his doctorate from Washington University under the supervision of Peter H. Raven and Washington University's Dr. R. Sussman.

To supplement his necessarily rapid botanical surveys, Fay and I plan next July and August to inventory the two richest and least studied sites in his odyssey — the Minkébé inselbergs (rocky outcrops in the middle of the forest), and the Mingouli rapids. Both are described on the NGS website, nationalgeographic.com/congotrek.

Collecting on the Megatransect was challenging, since we walked about ten kilometers daily, either on the serpentine trails of elephants or behind a machete-swinging Gabonese. Fortunately, Mike slowed often to videotape features such as animal scarred tree trunks, bark slashes of unusual trees, and animals encountered. He also noted trail densities, fruiting trees, dung piles, and animal cries. We managed, during one such interruption of the march, to collect a colorful new species of *Aframomum*, a member of Zingiberaceae, the ginger family.

The Megatransect's beginning was detailed in the October 2000 *National Geographic*. Two future articles will document this "ecological snapshot" of these threatened forests of Equatorial Africa.

Curator Gordon McPherson, a 21-year veteran of the Garden's Research Division, has collected extensively in New Caledonia and Panama and has spent over a year in Gabon doing inventories in several areas. His research is now focussed on the Euphorbiaceae of Madagascar.

Education

Shown presenting the check, from left: Bill Maples, Tamara McDaniel, and David Chambers of Ford; Patty Arnold, MBG director of development; Barbara Addelson, acting director of education; and Bill Schicker of Ford.

Ford Supports Ecological Interpreters Program

RECENTLY, representatives from Ford Motor Company St. Louis Community Relations Committee presented a check for $22,000 to the Garden for the Ecological Interpreters Program. This educational program for children and adults stimulates curiosity about ecology and the environment through hands-on demonstrations. Activities include Ecological Adventures presented in the Brookings Interpretive Center and the outdoor Volunteer Interpreter Carts.

TIM PARKER

New Education Volunteers

TWO GROUPS of new volunteers recently completed their training with the Education Division. Weekend Guides are a dedicated group of docents who share their in-depth knowledge of the Garden and its programs while leading public tours on Saturdays and Sundays. Volunteer Instructors teach students from pre-kindergarten through 8th grade. Classes include "Introduction to Plants," "The Water Cycle," "Life in the Rain Forest," "Deserts," and "Temperate Biomes."

CENTER LEFT: New Volunteer Instructors (from left): Diane Ely, Jeanne Carney, Sandra Abel, Linda Waugh, Elizabeth Lukas.

LOWER LEFT: New Weekend Guides (from left): Carol Swink, Kathy Shaffstall, Betty Lynch, Rhonda Schaper, and Joanna Gerst.

TIM PARKER

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NOV. – DEC. 2000

IN **HONOR** OF

For information on making a gift to the Tribute Fund, please call the Development Office at (314) 577-5120.

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continued on page 20

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continued from page 19

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continued on page 22

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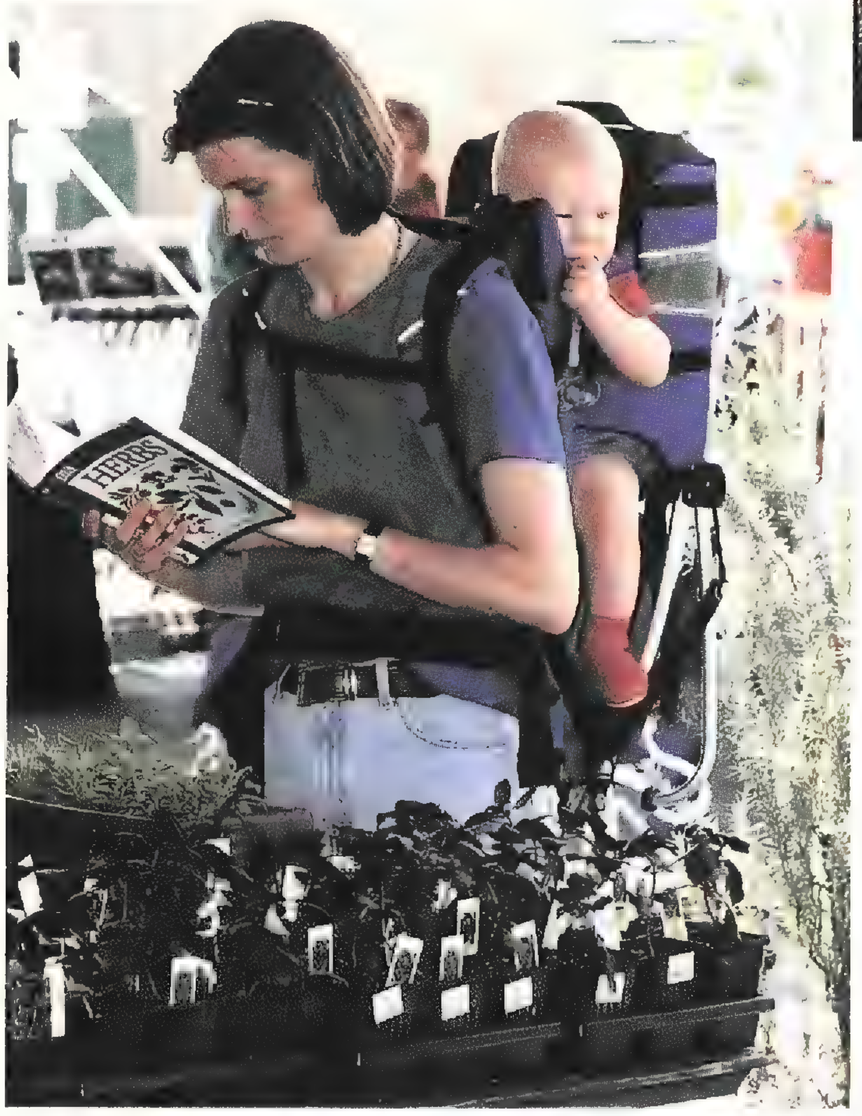

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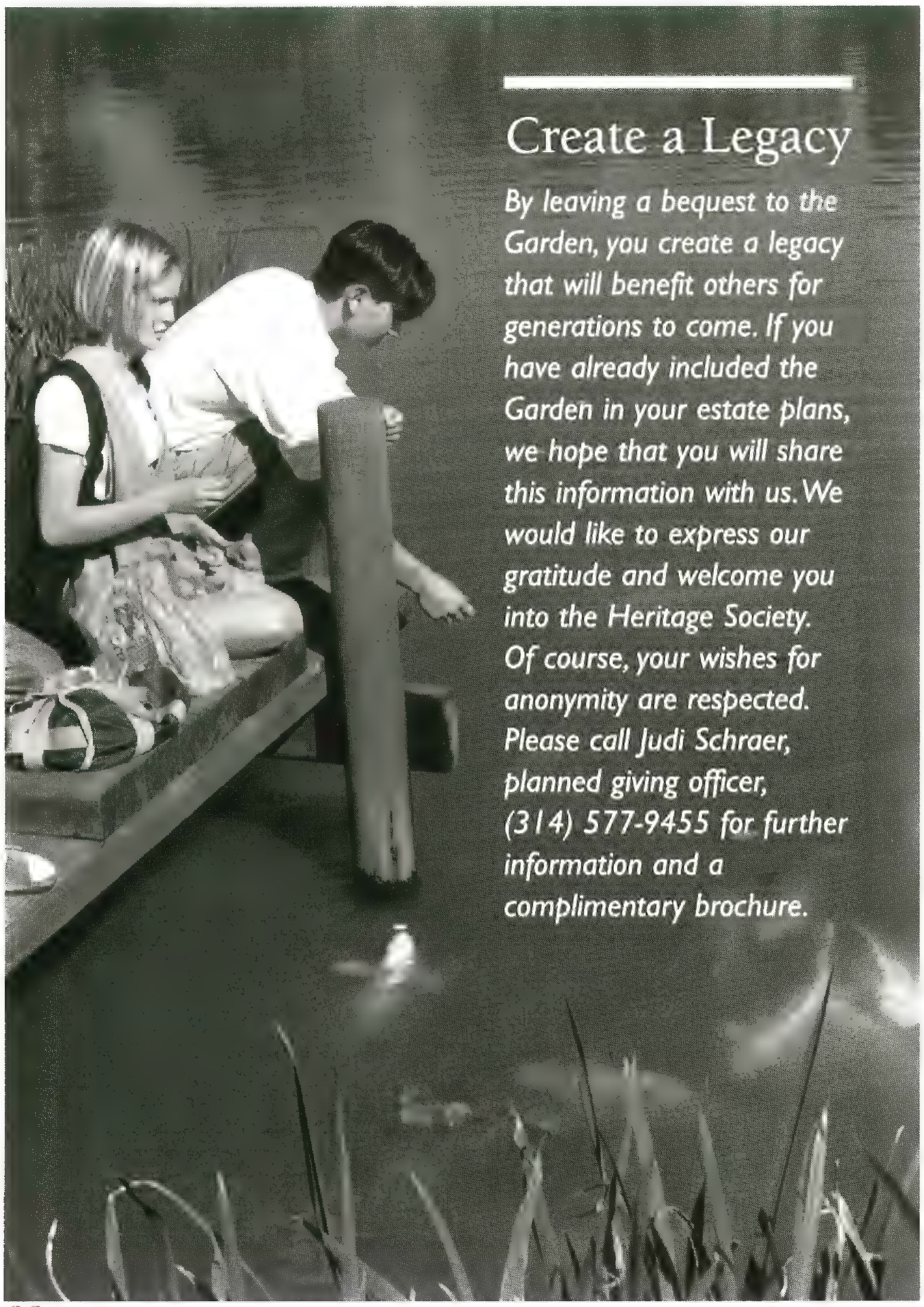
continued on page 23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Inside This Issue

2.
CHAPUNGU
A major exhibition of African stone sculpture comes to the Garden.

5.
TRUSTEES ELECT OFFICERS
The Board of Trustees' Annual Meeting, and a salute to Corporate Partners.

6.
GIFTS & GRANTS
Judi Schraer, planned giving officer, and a special program by the Garden Conservancy

7.
FLORA DE NICARAGUA
A major new flora is published by MBG Press.

8.
HOME GARDENING
What does "organic" gardening really mean? Plus new online information for gardeners.

11.
CALENDAR OF EVENTS
Safari Breakfasts, Chapungu, and the Great Perennial Divide.

15.
NEWS OF THE MEMBERS
New Officers and Board members, plus lots of news and events.

17.
RESEARCH
Curator Gordon McPherson reports on the "Megatransect" in Africa.

18.
EDUCATION
New volunteers, support for Eco-Adventures

Printed on recycled paper using soy-based inks.

Spring Plant Sale

MAY 2 – 6, 2001 • *See page 21*

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Missouri Botanical Garden

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MAY / JUNE
2001

CHAPUNGU

JOURNEY INTO AFRICA

VOLUME LXXXIX
NUMBER THREE

CHAPUNGU

CUSTOM AND LEGEND: A CULTURE IN STONE

APRIL 28 – OCTOBER 7, 2001

The Chapungu exhibition is sponsored by

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CHAPUNGU Sculpture Park is home to the magnificent stone carvings created by the Shona people of Zimbabwe. For five months in 2001, the Misssouri Botanical Garden presents the largest exhibition of these extraordinary works of art ever shown in the United States. Sixty-six monumental pieces are on display outdoors in the showcase of the Garden grounds.

The Chapungu sculptors seek to embody the depth and wisdom of an ancient African culture and way of life. They depict themes that resonate with all viewers: nature, family, custom and legend, village life, the spiritual world, social issues, and the roles of women and elders. The sculptures range from three to ten feet tall, weigh up to 6,600 pounds, and are carved entirely by hand from the natural stone of Zimbabwe — serpentine, springstone, and opal stone.

At right: "Spirit Bird Prays for Rain," by Sylvester Mubayi, 1997

Stone sculpture began to emerge as an art form in Zimbabwe about 40 years ago, with the encouragement of the director of the National Art Gallery of the country, then Rhodesia. Today, despite the turmoil of Zimbabwe's struggle for independence, second and third generation sculptors are extending their heritage of profound artistic expression in the most challenging of the visual arts — carving stone by hand.

Chapungu Exhibition Advisory Committee

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Special Chapungu Events

The Garden invites you to meet the Chapungu sculptors at a series of special events throughout the exhibition. Watch for more exciting events coming up!

Reservations are required for Stone Sculpting Workshops, "Journey Into Africa" Breakfasts, Lunch with the Artists, and Cocktails with the Artists. Please call (314) 577-5125.

Stone Sculpting Workshops

Limited to six students per workshop.

Artists at all levels of experience are invited to work with the professional sculptors who created some of the extraordinary pieces in the Chapungu exhibit.

A series of 16 workshops will be held on the grounds of the Missouri Botanical Garden. Participants will be introduced to traditional tools and techniques of direct stone carving and respect for the stone as it contributes to the creative process.

In these hands-on workshops, each student will create a sculpture, assisted by the artist and observing them at work.

- Each workshop is five days, Tuesday through Saturday.
- Daily schedule: 9 a.m. to 1 p.m., lunch break, 2 p.m. to 4 p.m.
- Fee: $400, includes a set of basic tools and 60-lb. stone from Zimbabwe, plus individual instruction and guidance from the artist.

June 12 – 16, June 19 – 23

Visiting artists: Amos Supuni and Eddie Masaya

July 10 – 14, July 17 – 21

Visiting artists: Joseph Muzondo and Sylvester Mubayi

August 7 – 11, August 14 – 18

Visiting artists: Jonathan Mhondorohuma and Gift Muchenje

September 11 – 15, September 18 – 22

Visiting artists: Colleen Madamombe and Agnes Nyanhongo

Special Events for Members

Free, exclusively for Garden members and their guests.

June 29 Members' Night: 5:30 to 7:30 p.m. Cash Bar • Tours

August 10 Members' Day: Special Program at 11 a.m. in Shoenberg Auditorium; Tours noon to 1 p.m.

September 6 Members' Night: 5:30 to 7:30 p.m. Cash Bar • Tours

Meet the Artists

"Journey Into Africa" Breakfasts

Saturdays, 9 a.m., Garden Café

Especially for families! Join us for breakfast hosted by a Chapungu sculptor, then head out on a quest through the exhibit with discovery maps and more. $13 Garden members, $15 Non-members.

June 9	Eddie Masaya
June 30	Amos Supuni
July 28	Sylvester Mubayi
August 4	Jonathan Mhondorohuma
August 25	Gift Muchenje
September 8	Colleen Madamombe
September 29	Agnes Nyanhongo

Lunch with the Artists

Thursdays, Noon, Spink Pavilion

Join us for lunch and conversation with a Chapungu sculptor. $23 Garden members, $25 Non-members.

June 7	Eddie Masaya
June 28	Amos Supuni
July 26	Sylvester Mubayi
August 2	Jonathan Mhondorohuma
August 23	Gift Muchenje
September 6	Colleen Madamombe
September 27	Agnes Nyanhongo

Cocktails with the Artists

Fridays, 5:30 p.m., Kemper Center for Home Gardening

Call (314) 577-5125 for reservations and information.

Sculpture for Sale

At the Kemper Center for Home Gardening

Sculpture by Chapungu artists will be available for purchase daily throughout the exhibition.

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.

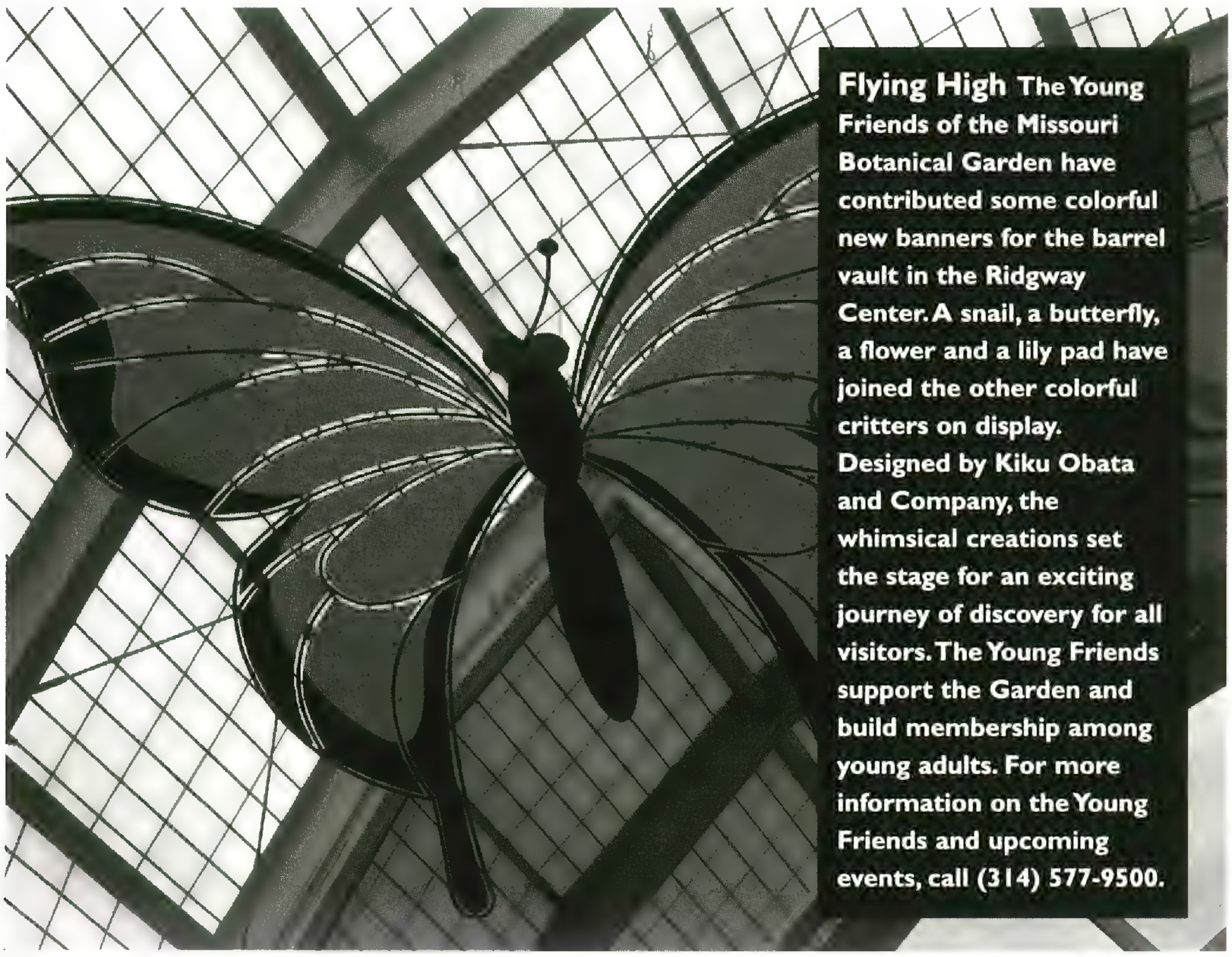
THIRTY YEARS AGO, when I came to the Missouri Botanical Garden, I dreamed that one day we would be able to combat the environmental crisis facing our world — the runaway rate of extinction. A third of all species on Earth may disappear in a few decades, with devastating consequences for the quality of human life. Our new Center for Conservation and Sustainable Development, described on the facing page, is the culmination of that dream.

Building on 30 years of success in our research program, the Center will promote sustainable development, which meets the needs of the present world community without compromising the needs of future generations. This is an ambitious goal, but one I believe the Garden is uniquely qualified to undertake.

On page 7 we welcome new members to the Board of Trustees, including Robert Brookings Smith III, who will chair a committee for the Center. He is the nephew of our longtime trustee Robert Brookings Smith, founder of the Bellwether Foundation. We are very grateful him, to the Bellwether Foundation, and to other supporters for helping to make this exciting dream a reality.

In the coming weeks, we invite you to visit often to tour the Chapungu sculpture exhibition and meet the visiting artists from Zimbabwe. And be sure to join us every Wednesday in June for the popular Whitaker Jazz Festival.

— Peter H. Raven, Director



Flying High The Young Friends of the Missouri Botanical Garden have contributed some colorful new banners for the barrel vault in the Ridgway Center. A snail, a butterfly, a flower and a lily pad have joined the other colorful critters on display. Designed by Kiku Obata and Company, the whimsical creations set the stage for an exciting journey of discovery for all visitors. The Young Friends support the Garden and build membership among young adults. For more information on the Young Friends and upcoming events, call (314) 577-9500.

Mailing Address:
Missouri Botanical Garden
Post Office Box 299
St. Louis, Missouri 63166-0299

www.mobot.org

Important Phone Numbers:

(314) 577-5100

Development: (314) 577-5120
Patricia Arnold, director
Communications: (314) 577-0254
Brenda Jones, director
Membership: (314) 577-9500
Public Relations: (314) 577-5141

Garden Hours:
9 a.m. to 5 p.m. every day except Christmas; 9 a.m. to 8 p.m. on Mondays Memorial Day through Labor Day.
Grounds open 7 a.m. Wed. & Sat.

Shaw Nature Reserve:
(636) 451-3512 (toll free from St. Louis)

24-Hour Information:
GardenLine – (314) 577-9400
Or call 1-800-642-8842.

24-Hour Gardening Tips:
HortLine – (314) 776-5522
Or see www.mobot.org.

Horticulture Answer Service:
Talk to a Master Gardener from 9 a.m. to noon, Mon.–Fri.: (314) 577-5143
Composting/Recycling Hotline:
(314) 577-9555

On the Cover
A poster created by D'Arcy Masius Benton & Bowles, based on "Protecting the Eggs," a sculpture by Damian Manuhwa. It is part of the Chapungu exhibition at the Garden this summer.

Editor
Susan Wooleyhan Caine

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Missouri Environmental Fund
Member Organization

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The BULLETIN is sent to every member of the Garden as a benefit of membership. For a contribution of as little as $55 per year, members also are entitled to: free admission to the Garden, Shaw Nature Reserve, and Tower Grove House; invitations to special events and receptions; announcements of all lectures and classes; discounts in the Garden Gate Shop and course fees; and the opportunity for travel, domestic and abroad, with other members. For information, call (314) 577-5118.

Postmaster: Please send address changes to: Bulletin, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299.

A New Division

The Center for Conservation and Sustainable Development

Bringing Science and Conservation Together

THE GARDEN HAS ESTABLISHED A NEW DIVISION, the Center for Conservation and Sustainable Development, with a $5 million pledge from the Bellwether Foundation of St. Louis and $1.1 million from four other foundations. The new division will promote conservation and sustainable use of plant resources on a global scale by working directly with government agencies, non-government organizations, researchers, farmers, and industrialists. By coordinating and providing information about plant diversity to all stakeholders, the Center will serve as a clearinghouse for conservation efforts worldwide.

Roger McManus, former president of the Center for Marine Conservation and Advisor for Oceans in the Office of the Secretary, U. S. Department of the Interior, was named director of the Center, effective March 7, 2001. McManus was trained as a botanist in plant systematics at the University of Arizona and has a career of achievements in the field of conservation, especially endangered species. He developed the Center for Marine Conservation over a 15-year period into the largest science-based advocacy organization for marine conservation in the world.

Peter Raven said, "Roger is an outstanding leader to fulfill the Center's mission of bridging the gap between science and conservation. We intend to provide a direct link between plant systematics — the Garden's great research strength — and efforts aimed at conserving biological diversity. The Center will promote sustainable development, which meets the needs of people today without compromising the ability of future generations to meet their own needs."

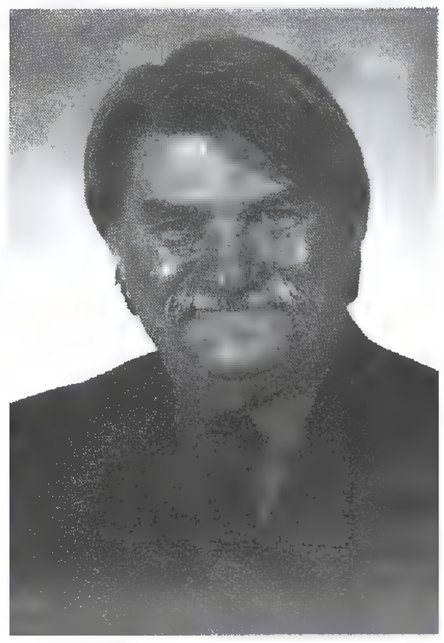
The Missouri Botanical Garden is one of the world's leading botanical research institutions. Garden scientists explore and collect plants in some 30 countries, identify plants under the most rigid international protocols, publish their discoveries, and make the information available on the internet through the largest database of plant information in the world. This accurate, accessible scientific information is fundamental to conservation efforts worldwide.

"The Missouri Botanical Garden has a global reputation for scientific achievement," McManus said. "This is a very exciting opportunity to build on the Garden's success. The Research Division already works to strengthen scientific capacity in countries where Garden scientists are active and trains residents in botanical research techniques. We will extend that scope by helping countries to identify conservation priorities and by collecting and presenting data in the most useful ways. This is an opportunity to define the Garden's role in promoting sustainable use of plant resources and fulfill its promise as an international conservation organization."

McManus said, "In today's world, we must recognize that every species we do not intentionally protect, we will lose. We all share a concern for the future of this planet — the Earth is not a big place anymore."

The Bellwether Foundation was established by Garden trustee Robert Brookings Smith. The foundation supports environmental, health, and technological developments designed to benefit humankind. Robert Brookings Smith III, director of the Tiber Group, a Chicago-based management consulting firm focusing exclusively on assisting healthcare organizations, was named to the Garden's Board of Trustees in February. He will chair a trustee committee for the new Center.

The other supporters of the Center are the John D. and Catherine T. MacArthur Foundation, The David and Lucile Packard Foundation, the William and Flora Hewlett Foundation, and The Summit Foundation.



Roger McManus has been named director of the Center for Conservation and Sustainable Development.

Planned Giving

Benefits of a Bequest

FOR friends of the Garden, bequests have traditionally been a popular way to support the Garden's superb programs in research and education and our beautiful horticultural displays. By making a will and including the Garden in your estate plans, you also receive significant benefits.

At the William T. Kemper Center for Home Gardening

A will enables you to:

- Balance your philanthropic goals with concerns about future living expenses and provide for loved ones.
- Articulate your wishes.
- Eliminate unnecessary estate taxes and court costs.
- Support the Garden's programs and services for generations to come.

Create a legacy through a bequest to the Garden. If you have already done so, please let us enroll you in our Heritage Society. Contact Judi Schraer, Planned Giving Officer, at (314) 577-9455 for further information.

William Cronon Receives Greensfelder Medal

THE GARDEN PRESENTED the Albert P. and Blanche Y. Greensfelder Medal to William Cronon at the annual Director's Associates and Heritage Society Evening on April 25. Established in 1980, the Greensfelder Medal honors individuals who have made significant contributions to landscape, garden and park planning and design for urban improvement.

William Cronon is the Frederick Jackson Turner Professor of History, Geography and Environmental Studies at the University of Wisconsin – Madison. He is the author of *Nature's Metropolis: Chicago and the Great West* and *Changes in the Land: Indians, Colonists and the Ecology of New England.*

Dr. Cronon has received numerous awards for *Nature's Metropolis*, including the Charles A. Weyerhauser Award for Forest and Conservation History and the George Perkins Marsh Award for Environmental History. *Nature's Metropolis* was one of three nominees for the Pulitzer Prize in History, 1992.

Cronon has served as president of the American Society for Environmental History, as general editor for the Weyerhauser Environmental Books Series, and as a trustee of the Connecticut Nature Conservancy. He has also served on the President's Council of the Connecticut Fund for the Environment.

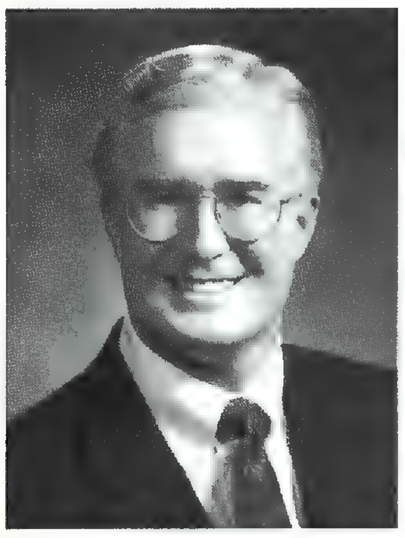
The Garden and the Missouri Historical Society sponsored a public lecture and booksigning by Cronon on April 25, presented at the Historical Society auditorium.

The Director's Associates and Heritage Society Evening is an annual event. Director's Associates support the Garden with membership dues of $500 per year. The Heritage Society includes individuals who have included the Garden in their estate plans. For information on the benefits of upper levels of Garden membership, please call Patricia Arnold, director of development, at (314) 577-5120. For information on the Heritage Society, please call Judi Schraer, planned giving officer, (314) 577-9455.

Trustees

New Members Elected to the Board

THREE NEW TRUSTEES were elected at the annual meeting of the Garden's Board of Trustees on February 7, 2001. Edward D. Higgins and Nancy Rubenstein Siwak were elected to four-year terms. Robert Brookings Smith III was elected to a term ending in 2004. On April 3, 2001, Francis G. Slay was elected mayor of the City of St. Louis and became an *ex officio* trustee of the Garden.



Edward D. Higgins

Edward Higgins is president of Firstar Trust and currently serves on the Board of Directors of Catholic Charities of St. Louis and SSM Cardinal Glennon Children's Hospital. He is a graduate of Fordham College and Fordham School of Law and holds the designation of Certified Trust and Financial Advisor. Higgins frequently lectures on fiduciary matters and has had articles published in the Harvard Business Review, among other publications. He began his career in New York, worked in Chicago for ten years, and accepted his current position in St. Louis in 1994.

Firstar Trust, formerly Mercantile Trust, has been a long-time supporter of the Garden and made the naming gift for the City Garden at the William T. Kemper Center for Home Gardening. Firstar Trust manages the Dana Brown Foundation Charitable Trust, which made the naming gift for the Dana Brown Foundation Overnight Education Center at Shaw Nature Reserve.

Nancy Rubenstein Siwak

Mrs. Siwak is active in the St. Louis community and serves on the Board of St. Louis University and as a board member for the Jewish Federation of St. Louis. She was appointed by the late Missouri Governor Mel Carnahan to be a member of the USS Harry S. Truman Commissioning Committee and was named a Woman of Achievement by the *Suburban Journals* for her extraordinary charitable efforts. She has been a member of the Garden since 1994.

Robert Brookings Smith III

Robert Brookings Smith III is a director with the Tiber Group LLC of Chicago, a management consulting firm that focuses on assisting healthcare organizations to define and achieve their objectives. He has directed Tiber Group's strategic planning process and designed and implemented a profit-sharing and deferred compensation program.

Smith is a trustee of the Bellwether Foundation, a major supporter of the Garden's new Center for Conservation and Sustainability. He said, "I am pleased to join the board of the Garden and to be involved actively in advising the Center in its formative stage. The mission of the Garden has been a deep and abiding concern of my family for many years. We hope we will be able to make a considerable difference through the creation of the Center."

The Rev. Earl E. Nance Jr.

The Garden extends its deepest appreciation to the Rev. Earl E. Nance Jr., who completed his service on the Board of Trustees in February, 2001. Rev. Nance first served on the Board as an *ex officio* trustee during his tenure as president of the St. Louis Board of Education from 1991 to 1993. He was elected to the Garden's Board as a term trustee in January, 1994.

A native of St. Louis, Rev. Nance is president of the St. Louis Clergy Coalition. He became co-pastor of the Greater Mount Carmel Baptist Church in 1979 and was formerly an elementary school teacher with the St. Louis Public Schools. He has always emphasized the need for a strong alliance among the city's schools, its cultural institutions, and the community.

Corporate Partners

Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year.

For more information, please contact Rachel Hartmann, corporate / foundation officer, at (314) 577-9513 or email: Rachel.Hartmann@mobot.org.

We would like to recognize the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

PRINCIPAL

Firstar

Monsanto Company

MARY ANN KRESSIG

Visit the Kemper Center for Home Gardening to see examples of staking techniques.

STAKE OUT

By June Hutson, Aurelia Schlapp Curator of Perennial Plants

AN OUNCE OF PREVENTION goes a long way in the garden.

Nothing is more disheartening than watching a plant collapse under its own weight just as it comes into bloom. Almost overnight, those little green shoots can turn into unruly mounds of flowers and foliage. Staking plants now will help them stay strong and healthy and look their best throughout the growing season.

Don't wait too long. Propping plants back up after they collapse is tedious and usually produces unattractive results. The secret is to set up a good support system while the plants are small. The foliage will hide the stakes as the plant matures, and you won't even notice the supports.

Encourage Compact Growth

Some plants are just naturally tall and spindly and will always need staking. For an informal, natural setting, place tall plants next to each other for mutual support. And remember that plants receiving too little sunlight tend to lean toward the sun and become spindly, increasing the need for support.

Plants that bloom from late summer into early fall, such as sedums and asters, benefit from early pruning. When the new growth reaches about one third its mature height, cut the terminal growth above the point where the leaves emerge down to half the size of the current growth. The resulting lateral shoots are more compact and need less support. This selective pruning can be repeated until around July 4. The tallest varieties may still need staking.

Materials

Plant supports come in all shapes and sizes. Sturdy wire in an unobtrusive green is a good choice. There are rings with grids to place over multi-stemmed plants, such as peonies, or simple open hoops with legs of various heights to encircle stems and foliage. Bamboo sticks are easily

available and come in many lengths. Push the thicker end into the ground for strength. The height of the stakes should be shorter than the mature height of the plant. With multiple stems, place stakes around the perimeter of the plant and circle them with twine. Tie the outer stems to the stakes.

When staking a single stem, be very careful not to girdle the stalk with wire or other hard tying material. Form a figure eight around the stem and the stake with soft twine or strips of pantyhose, which will stretch.

Tomatoes

No question about it, tomatoes need to be contained and supported. If left unchecked, the verdant growth sprawls over the ground. The so-called "indeterminate" varieties present the greatest challenge, as they continue to grow taller throughout the growing season.

There are dozens of tomato supports out there, but the traditional tomato stake is as good as any. Position the stick first, then plant the tomato right next to it. As the plant grows, tie the new stems to the stick.

Whatever support you use for tomatoes, make certain it is sturdy enough to bear the weight of the mature plant and fruit; by summer's end, the full growth is heavy enough to be toppled by strong winds. Tomato towers of metal are useful for the largest varieties, but they must be securely fastened with stakes to keep them from blowing over.

Use support rings for other heavy produce, such as green peppers, as the weight of the fruit can cause stems to snap. The fruits can rest on the circular supports.

Shrubs

Some shrubs also benefit from staking. *Hydrangea arborescens* 'Annabelle' has large flowers that resemble snowballs. The blooms are so heavy that they bend over and touch the ground. Early staking around the perimeter of the shrub before it blooms gives the plant a tidier appearance and makes the flower display much more attractive.

June Hutson is a 25-year veteran of the Garden's horticulture staff and is the field supervisor of the demonstration gardens at the William T. Kemper Center for Home Gardening. June began working at the Garden as a volunteer in 1973, before earning her degree in horticulture from St. Louis Community College at Meramec. She is an expert on conifers and rock gardens and is responsible for plant selection at the Kemper Center. She is a popular landscape consultant, teacher, guest lecturer, and author.

Rose Gardens Honored by AARS

The Gladney and Lehmann Rose Gardens received the 2000 Award for Outstanding Maintenance from All-America Rose Selections, Inc. The award recognizes public gardens around the country for the condition of their displays.

Ready – Set – Grow
2001 Great Garden Contest
The St. Louis Post-Dispatch and the Missouri Botanical Garden announce the 2001 Great Garden Contest.
This year's judges are looking for garden excitement, in big and little ways. Creativity in bold and bountiful flower beds or simplicity in elegant, little green spaces — both are valued. But also dare to be different. If you've got flowers, strut your stuff. Show us how you mix edibles with ornamentals. Give us your skills with color. Even flaunt your whimsical side.
And this year, you stand to win hundreds of dollars in nursery coupons! All winners are featured in the Lifestyle section of the St. Louis Post-Dispatch. And winning photos will be on display — through July — in the Ridgway Center at the Garden.
The contest is a great family activity. Group and community gardens have their own category, open to both ornamental and vegetable gardens.
Win or lose, competing will help sharpen your eye and provide you with a new view of your own garden. Give it a try!
June 8 is the contest's postmark deadline. Watch the Post-Dispatch during the month of May for entry details.

Don't Pitch Those Pots!

Annual Plastic Pot Recycling

Saturdays: June 9, 16, 23, 30 - 9 a.m. to 1 p.m.

Sundays: June 10, 17, 24, July 1 - Noon to 5 p.m.

Turn your plastic plant pots into recycled landscape timbers and receive a complimentary pass for two to the Missouri Botanical Garden. Before you bring in your plastic plant pots, please remove the soil and any metal hangers. No household plastic, please! Sponsored by St. Louis-Jefferson Solid Waste Management District and the American Plastics Council.

Drop off your pots at four convenient locations:

North County:	A. Waldbart & Sons Nursery, 5517 N. Highway 67
South County:	Crabapple Cove Nursery, 6961 Telegraph Road
West County:	Sherwood's Forest Nursery & Garden Center, 2651 Barrett Station Road
St. Louis City:	The Monsanto Center, 4500 Shaw

For more information, please call the Kemper Center for Home Gardening, (314) 577-9440, 9 a.m. to 5 p.m. daily.

News of Note

TIM PARKER

Contest winners were honored at a reception at the Garden on March 22. Jean Crowder, president of Tower Grove House Auxiliary, is at left. The Auxiliary organizes the annual contest.

Sponsored by AmerenUE – 2nd Annual Student Art Contest

IN MARCH, AmerenUE sponsored the Garden's second annual art contest for local students in grades 6 through 12. Winning entries were on display at the Ridgway Center from March 22 to April 13, 2001. The exhibition, titled "See the World," presented outstanding student works in pen and ink, watercolor, oil, or acrylic. The annual contest and exhibition are organized by the Tower Grove House Auxiliary.

Eighty-four entries were submitted by students from 24 public and private schools in the St. Louis area, Ste. Genevieve, St. Charles, Eureka, Dittmer, and Perryville, Missouri. Fifty prizes were awarded. Students were invited to create drawings and paintings on the theme of biodiversity and to interpret the beauty and importance of plants. The works of art were to depict floral still lifes, endangered plants, or Missouri native plants.

A distinguished panel of judges chose the winning entries. Judges were Stephanie Barken, director of creative services for Mary Engelbreit Studios of St. Louis, Franchesca Consagra, curator of prints, drawings and photographs at The Saint Louis Art Museum; and Robert Powell, director of the Portfolio Gallery & Education Center in St. Louis.

TIM PARKER

Shown presenting the check to Peter Raven are Jean Crowder, president of the Tower Grove House Auxiliary (center) and Norma Silber, a member of the Auxiliary and manager of the House.

Tower Grove House Auxiliary Supports Renovations

SINCE 1977, the dedicated volunteers of the Tower Grove House Auxiliary have raised funds to support the historical renovations in Henry Shaw's 1850 country home. There are currently 11 members in the Auxiliary, and they are responsible for an astonishing number of fund raising projects providing significant support. In addition to special events such as the Children's Tea Party on page 14, the Auxiliary sponsors annual activities including the popular Candlelight Tours, decorating the House at the holidays, Henry Shaw's Birthday, fashion shows by Su-Ellen, and the Student Art Contest.

This spring, the Auxiliary made a gift to fund replacement of the roof on Tower Grove House. The Auxiliary had made earlier significant contributions to the roof fund, which was established with a lead gift by Jane (Mrs. Joseph) Gleason in memory of her mother, Mrs.Vernon W. Piper.

Calendar of Events

May & June

TIM PARKER

The Willie Akins Quartet accompanied Jeanne Trevor in concert at the 2000 Whitaker Jazz Festival.

June 6 – July 11 Wednesdays

7:30 p.m., Cohen Amphitheater. Bring a picnic and spend an evening under the stars. Lawn seating, cash bar. No glass containers are permitted on Garden grounds. Box suppers are available by advance reservation from the Garden Café: call (314) 577-0200 to order. For concert information, listen to WSIE 88.7 FM. Festival hotline: (314) 577-9400 or 1-800-642-8842. Sponsored by the Whitaker Foundation.

Whitaker **jazz** festival **2001**

- **JUNE 6** **River City Ramblers Dixieland Band**
- **JUNE 13** **Chad Evans and the Acoustic Ideas**
- **JUNE 20** **Johnny O'Neal**
- **JUNE 27** **Quartet Tres Bien**
- **JULY 4** **Swing Set**
- **JULY 11** **Mae Wheeler**

The Whitaker Jazz Festival is made possible by the generosity of the Whitaker Foundation, which supports the arts in St. Louis to promote our common heritage while celebrating our diversity and encouraging the vitality of our community.

May & June Events

May 19 Saturday

Spring Wildflower Sale at Shaw Nature Reserve

9 a.m. to 4 p.m., Gray Summit, Missouri. The biggest selection of native wildflowers for home landscaping, including native Missouri plants of the prairie, glade, woodland, and wetland. All plants are sold in containers and are nursery propagated. Featuring plants and seed from Shaw Nature Reserve, Whiskey Creek Sheep Farm, Brownsmead Gardens, Missouri Wildflowers Nursery, Hamilton Seeds and Wildflowers, Grace Hill Native Plant Nursery, Missouri Landscaping, Pan's Garden, Bowood Farms, and Forrest Keeling Nursery. Shaw Nature Reserve (formerly Shaw Arboretum) is 30 minutes west of St. Louis on I-44 at exit 253. Call (636) 451-3512 for information.

May & June – Saturdays & Sundays

Shaw Nature Reserve Wilderness Wagon Tours

Ride the Wilderness Wagon for delightful tours of the Shaw Nature Reserve. The wagon leaves the Visitor Center on the hour from noon to 3 p.m. $1 per person, no reservations required.

May 1 – 31

"What's in a Plant's Life"

9 a.m. to 5 p.m. daily, Ridgway Center. Exhibit of 36 nature photographs by Ruth Hoyt. Free with Garden admission or membership.

May 1 – June 1

"George Washington Carver"

9 a.m. to 5 p.m. daily, Ridgway Center. Forty black and white photographs of the famed African American scientist by P. H. Polk, taken during their years together at the Tuskegee Institute. Organized and circulated by the University Gallery, University of Delaware. Free with Garden admission or membership.

May 1 – October 7

"Chapungu – Custom and Legend: A Culture in Stone"

Sculpture exhibition on the grounds during regular Garden hours. Free with Garden admission or membership. See pages 2-3.

May 2 – 6
Wednesday – Sunday

Spring Plant Sale

Members receive 20% discount all five days. Under the outdoor tent, rain or shine. May 2: Members' "First Choice" Preview, 4 to 7:30 p.m. May 3: Members' Preview Day, 9 a.m. to 7 p.m. May 4 - 6: Sale opens to the public, 9 a.m. to 5 p.m., open until 7 p.m. on Friday, May 4. For a complete schedule of free workshops by local experts during the sale, see the flyer mailed recently to all members or call (314) 577-9400.

May 5 & 6
Saturday & Sunday

Maypole Celebration

Saturday: 11 a.m. and 2 p.m. Sunday: 2 p.m. at the Kemper Center for Home Gardening. Colorful ribbons, traditional costumes, and festive music highlight this ancient ritual. The whole family is welcome to participate and learn the intricate art of Maypole dancing, featuring performances by the St. Louis English Country Dancers and the Capering Roisters. Free with Garden admission or membership.

May 12 & 13
Saturday & Sunday

Mother's Daze

9 a.m. to 5 p.m. daily. Treat Mom and the whole family! Enjoy colorful spring blooms, live music, exhibits by local artists, the Lavender Lady, and make a unique spring hat. Free with Garden admission or membership. Special Mother's Day buffet in the Garden Café; call (314) 577-0200 for information.

May 12 & 13
Saturday & Sunday

Dahlia Sale

9 .m. to 5 p.m. daily, Ridgway Center. Presented by the Dahlia Society of Greater St. Louis. Free with Garden admission or membership.

May 12 & 13
Saturday & Sunday

Bonsai Show and Sale

9 a.m. to 5 p.m. daily, Ridgway Center. Presented by the Bonsai Society of Greater St. Louis. Free with Garden admission or membership.

May 12 & 13
Saturday & Sunday

Mini Rose Sale

9 .m. to 5 p.m. daily, Ridgway Center. Presented by the Rose Society of Greater St. Louis. Free with Garden admission or membership.

May 13 Sunday

Booksigning

1 p.m., Garden Gate Shop. Kay Charter signs copies of her new book, *For the Love of Birds*. Free with Garden admission or membership.

William E. Maritz

Trustee of the Missouri Botanical Garden 1980 – 2001

WILLIAM E. MARITZ died on February 26, 2001, at age 72. He was a Trustee of the Missouri Botanical Garden for 21 years.

Mr. Maritz was chairman and former chief executive officer of Maritz, Inc. A native of St. Louis, Mr. Maritz joined his family's company in 1953. He was a leader in the community and was named St. Louis Citizen of the Year in 1998.

At the Garden, Mr. Maritz served most recently as chairman of the Long-Range Planning Committee, where he was instrumental in setting the Garden's agenda for the next decade. He and his family supported the Garden with exceptional generosity, donating the Maritz Apple Allée at the William T. Kemper Center for Home Gardening and the Eugenia and James Maritz Atrium in the Ridgway Center.

As a charter member of the Peter H. Raven Society and a dedicated fund raiser, Mr. Maritz provided exceptional leadership in securing the Garden's financial future. On the Board of Trustees, he served on the Executive and Nominating Committees, as chair of the Awards Committee, and on the Committee for Shaw Nature Reserve, where the Trail House will be named in his honor.

The Missouri Botanical Garden is deeply grateful to the Maritz family for designating this splendid tribute in memory of William E. Maritz, to honor his extraordinary dedication to improving the quality of life for all St. Louisans.

As of April 12, 2001

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Kimberly D. Abramson
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Nancy Acord
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Jon Phillips
Mr. and Mrs. Daniel Pierce
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Patricia B. and Guy A. Pohl
Sandi Porter
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Mr. and Mrs. Thomas J. Purcell, Jr.
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Mr. and Mrs. Walter C. Reisinger, Jr.
Ms. Rita Reiss
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continued on next page

Gifts in Memory of William Maritz

Continued from previous page

Mr. and Mrs. Joseph F. Shaughnessy
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Greg M. and Beth A. Yount
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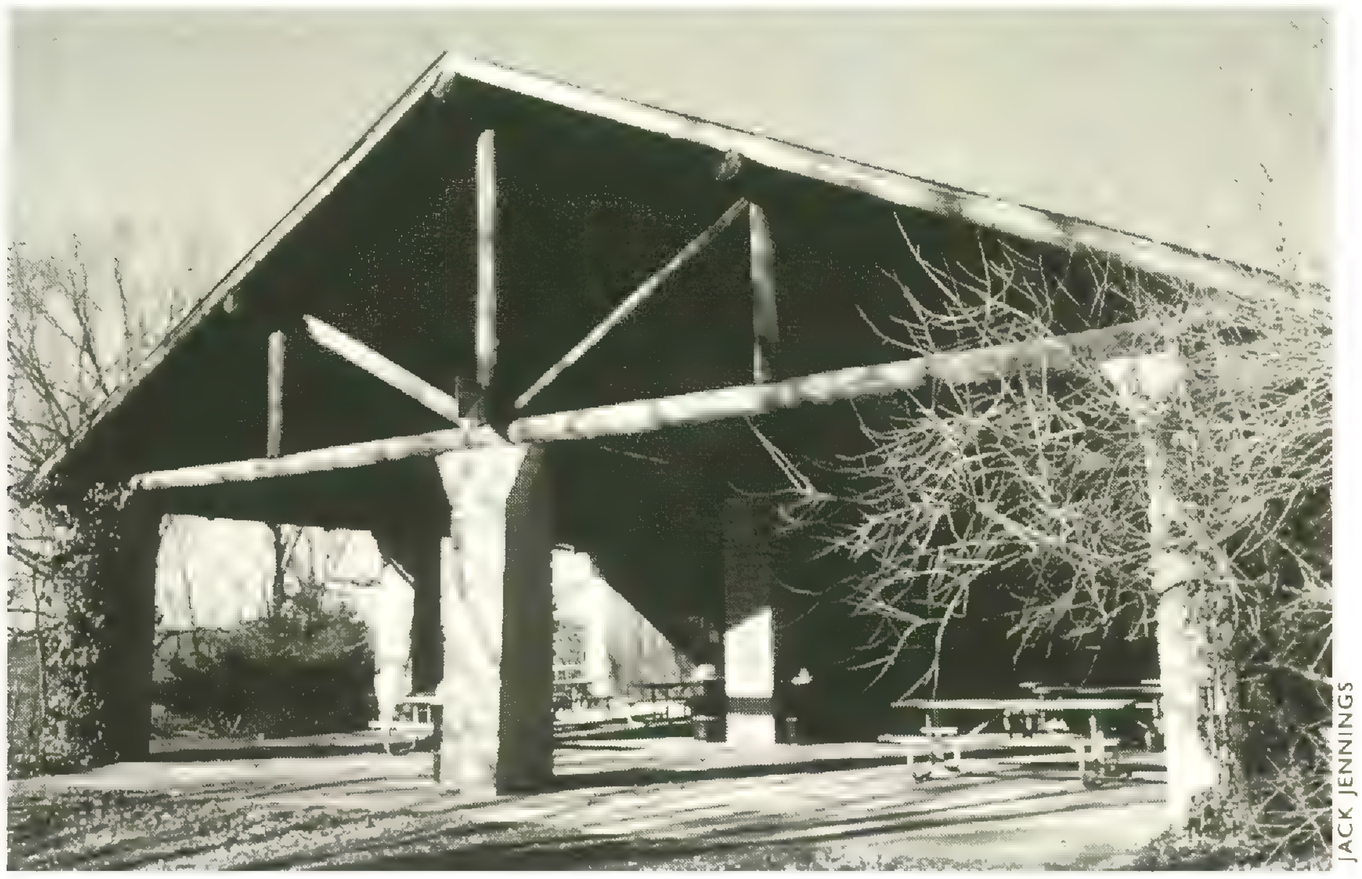


JACK JENNINGS

The Trail House

The Missouri Botanical Garden will dedicate the Trail House at Shaw Nature Reserve in memory of William E. Maritz this fall. Mr. Maritz was a devoted friend whose vision and generosity will continue to benefit generations of people who visit the Garden and the Shaw Nature Reserve.

May & June Events

May 16 Wednesday

Film: "Henry Shaw: The Good Neighbor"

12:30 p.m., Shoenberg Auditorium. See the film produced in honor of the 200th anniversary of the birth of the Garden's founder. Free with Garden admission or membership.

May 19 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop. Stories from China, ancient and new. For ages 4 to 10. Parents and guardians are welcome to attend, and children under age 4 must be accompanied by an adult. All children's books are an additional 10% off during StoryTime. Free with Garden admission or membership.

May 19 Saturday

"Open Days" Garden Tours

Five fabulous private gardens in St. Louis are open to the public today, to benefit The Garden Conservancy. (Note: this is not a Missouri Botanical Garden tour.) Directions to gardens all over the country are found only in the *2001 Open Days Directory*, available for purchase in the Garden Gate Shop, $15.95. Admission is $5 per garden, no reservations required. All proceeds benefit The Garden Conservancy. For more information, call toll free 1-888-842-2442 or see www.gardenconservancy.org.

May 26 & 27 Saturday & Sunday

Rose Show

9 a.m. to 5 p.m. daily, Ridgway Center. The annual show presented by the Rose Society of Greater St. Louis. Free with Garden admission or membership.

May 28 Monday

Summer Hours Begin

From Memorial Day through Labor Day, the Garden will be open on Mondays from 9 a.m. to 8 p.m. Tuesday through Sunday hours remain 9 a.m. to 5 p.m.

June 2 Saturday

Carnivorous Plants Show and Sale

10 a.m. to 5 p.m., Ridgway Center. Presented by the St. Louis Carnivorous Plant Society. Free with Garden admission or membership.

June 2 Saturday

Iris Show and Sale

Noon to 5 p.m., Ridgway Center. Presented by the Greater St. Louis Iris Society. Free with Garden admission or membership.

June 8 – August 10

Exhibit: "Cacti"

Regular Garden hours, Ridgway Center. Magnificent color photographs by Steve Feiner, a member of the Henry Shaw Cactus Society. Free with Garden admission or membership.

June 9 & 10 Saturday & Sunday

St. Louis Horticultural Society Show and Sale

Saturday: Noon to 5 p.m.
Sunday: 9 a.m. to 5 p.m.
Ridgway Center. Free with Garden admission or membership.

June 16 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop. Tales of Beatrix Potter. See May 19 for details.

June 16 & 17 Saturday & Sunday

Lily Show

Saturday: Noon to 5 p.m.
Sunday: 9 a.m. to 5 p.m.
Ridgway Center. Presented by the Mid-America Regional Lily Society. Free with Garden admission or membership.

June 16 – August 12

"Out of the Garden and Into the Woods"

Regular Garden hours. Ridgway Center. Exhibit of 30 landscapes and floral paintings by John O'Dell, many featuring Shaw Nature Reserve. Free with Garden admission or membership.

June 22 Friday

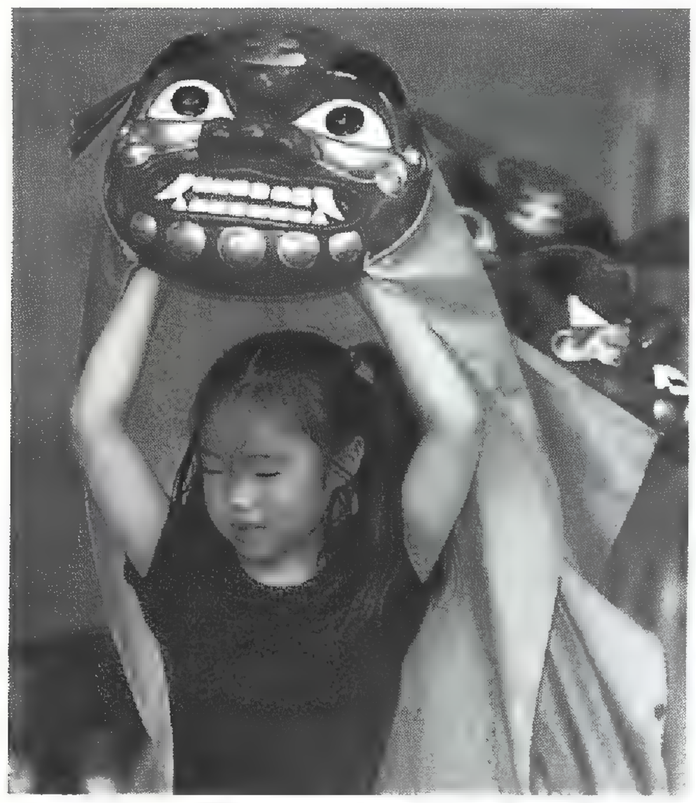
Booksigning

11 a.m., Garden Gate Shop. Jeffrey G. Meyer signs his new book, *America's Famous and Historic Trees: From George Washington's Tulip Poplar to Elvis Presley's Pin Oak*. Meyer will present an historic Mark Twain Cave Bur Oak to the Garden and to one lucky contest winner.

June 24 Sunday

Daylily Show and Sale

Show hours: Noon to 5 p.m.
Sale hours: 9 a.m. to 5 p.m.
Ridgway Center. Presented by the West County Daylily Club. Free with Garden admission or membership.



May 19 & 20 Saturday & Sunday

Chinese Culture Days

Saturday: 10 a.m.to 8 p.m. Sunday: 10 a.m. to 3 p.m. The 70-foot dragon from Nanjing, China will dance to open the festival and at various times throughout the weekend. Five thrilling performances in Cohen Amphitheater by the Shanghai Acrobatic Theater. Folk fashions and dancing, traditional Chinese street theater, musical performances, Chinese food, children's games, calligraphy and painting demonstrations. Pi-Pa playing, Tai Chi demonstrations, tea ceremonies, and tours in the Chinese garden. Special event admission: $7 adults, $5 seniors age 65 and over, free to Garden members and children 12 and under.

May & June Events

May 25 Friday

Rose Evening

5:30 to 8:30 p.m. Members are invited to enjoy live entertainment, cash bar, demonstrations in the rose gardens, tours of Tower Grove House, a special 5% discount on rose items the Garden Gate Shop, attendance drawings, and receive a long-stemmed rose to take home. Free, for members only. A buffet supper is available from the Garden Café at $22 per person, by advance reservation only. Reservations must be received in the mail by May 21. See the flyer mailed recently to all members or call (314) 577-9500.

June 20 Wednesday

Children's Tea: "Have an A-"Mazing" Day

1 p.m., Orthwein Floral Hall. Come to the Garden for a delightful afternoon. Enjoy tea time, try your hand at the Japanese art of origami, and play in the Garden's Victorian maze and observatory. Children ages 3 to 12: $7. Adults $10. Reservations are required: please call (314) 577-9500 by Thursday, June 14.

MEMBERS' DAY

May 15 Tuesday

Early Morning Photo Shoot with Jack Jennings

7 a.m. Meet in Shoenberg Auditorium for brief instruction, then head into the Garden with your camera. Jack Jennings has been photographing the Missouri Botanical Garden for more than 20 years, and his beautiful pictures are featured in the Garden's annual calendar. In the Garden Gate Shop, members receive an extra 5% discount on picture frames, film and camera accessories, and photography books.

MEMBERS' DAY

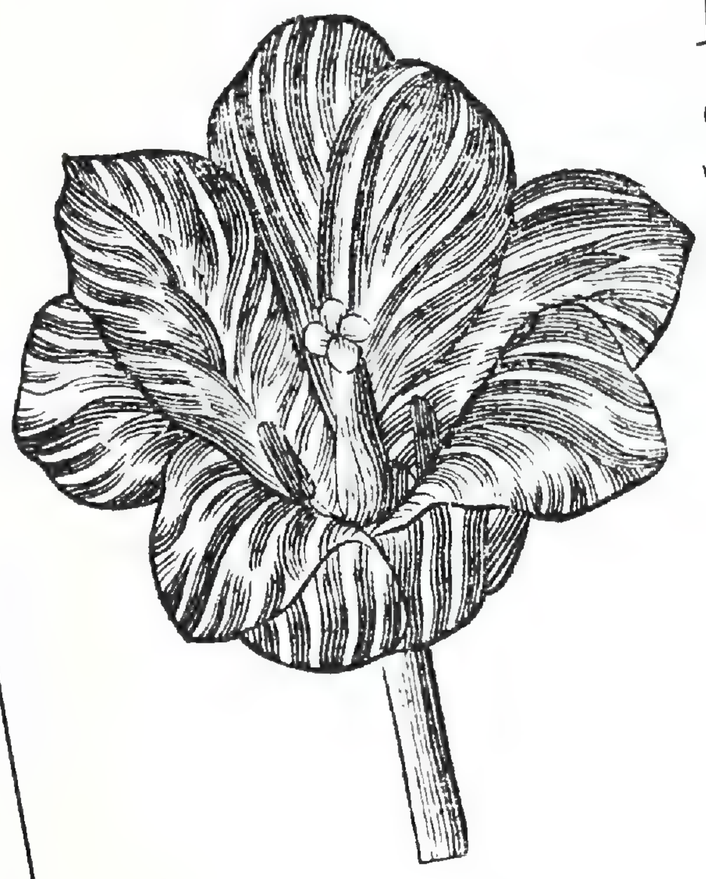
June 8 Friday

Big Band Concert

5:30 to 9 p.m. Bring a picnic supper, blankets or lawn chairs and enjoy an evening of music under the stars with the Gateway City Big Band. Concert begins on Spoehrer Plaza at 7:30 p.m. Limited concert seating is available on a first-come, first-served basis. Cash bar. In the Garden Gate Shop, members receive an extra 5% discount on CDs and tapes.

Members' Days are free and presented exclusively for Garden members and their guests.

Members' Travel Adventure



The Floriade and the Spectacular Gardens of Holland

May 10 – 20, 2002

Once in a decade comes the Floriade — Holland's spectacular horticultural show. Next year, Garden members are invited to visit Holland during peak tulip season and see the Floriade in all its glory. Visit world famous Keukenhof Gardens, take special tours of private gardens, meet some of Holland's most outstanding horticultural designers, and receive a membership in the Dutch Garden Society. Tour Amsterdam by canal boat, visit Delft and the Hague, see the Rijksmuseum and van Gogh collections, enjoy a garden tea, dinner in a castle, and a visit to a private manor house. For information and reservations, please call the Membership Office at (314) 577-9500. Limited space available.

Gift Memberships for Mom and Dad

Surprise Mom with a Garden membership for Mother's Day on May 13. Along with her membership, she will receive a pair of gardening gloves, a packet of wildflower seeds, and a special note from you.

On June 17, Dad will appreciate the Father's Day gift of a Garden membership together with one month of free car washes from Waterway Gas & Wash. He will also be entered in a drawing for two Cardinal baseball tickets and a Clean Car Club membership.

Garden memberships may be purchased online at www.mobot.org. Or call (314) 577-5118.

May 11 Friday –
Mother's Day Luncheon and Fashion Show

"Around the World with Mom"

Sponsored by Dillard's

JOIN KENT EHRHARDT, chief meteorologist for KMOV Channel 4 and master of ceremonies for the Garden's annual Mother's Day luncheon. Attendance drawing, cash bar. $50 per person. Reservations must be received in the mail by May 4; see the flyer mailed recently to all members or call (314) 577-9500.

May 18 Friday

Young Friends Host "A Bloomin' Happy Hour"

COME to the Kemper Center for Home Gardening for fun with friends and live music by Gene Jackson and Company. Sponsored by Anheuser-Busch and Hereford Printing Resources. $15 for Garden members, $20 for non-members. Call (314) 577-9500 for reservations by May 14.

Annual Reports On Request

THE Garden's *Annual Report* is available on request at the Membership Services and Information Desk in the Ridgway Center or in the lobby of the Shoenberg Administration Building, 2345 Tower Grove. You may request a copy from the Development Office, (314) 577-5120.

Volunteers

PHOTOS BY TIM PARKER

Ten Years *From left: Cecily Jones, Jacqueline Mitchell, Phyllis Pieper, Irene Francisco, Peter Raven, Barbara O'Halloran, Barbara Huning, John Viviano, Edith Wenzel, Ann Viviano, Nancy Kirchoff, Gene Metter, Ed Creek, Mina Sennott, Nellie Hohnsen. Not pictured: David Barnum, Shirley Bauer, Stanley McLean, Marlene Poger.*

Celebrating Decades of Dedicated Service

ON APRIL 3, 2001, the Garden paid tribute to its volunteers who are celebrating service anniversaries this year. Nearly 1,200 men and women annually donate their time, energy, and expertise to the Garden, and Peter Raven expressed appreciation on behalf of the entire staff: "I shudder to think what we would do if we did not have volunteers! Your dedication and energy make it possible for us to provide all of the outstanding programs that make the Garden what it is today."

Twenty Years *Standing, from left: Doris Johnston, Audrey Mathews, Peter Raven. Seated, from left: Ethel Herr, Ruth Jonas, Mary Ann Pelot. Not pictured: Albert Baeyen, Charlotte Baeyen, Marshall Magner.*

Thirty Years

Mim Kittner and Nan Day

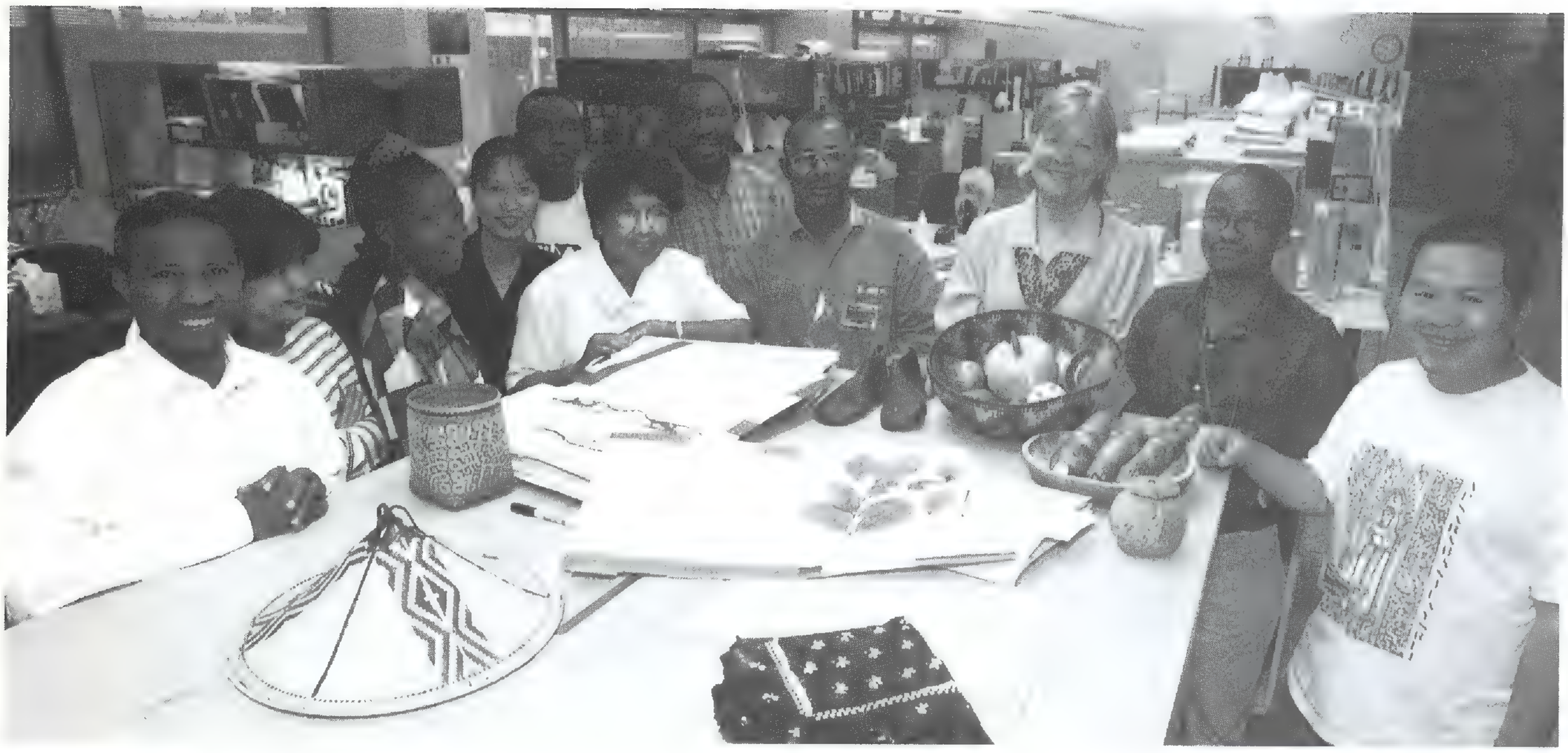
Mim Kittner with Peter Raven at the Volunteer Luncheon. Nan Day was unable to attend because she was — as usual — leading a tour.

IT IS DIFFICULT to imagine the Garden without the unfailing enthusiasm of these two extraordinary volunteers.

Mim Kittner is a former president of the Members' Board. For three decades, she has worked tirelessly to raise funds for the Garden and to build the membership from a few thousand people to some 35,000 today. Mim was instrumental in developing the Membership Services and Information Desk, which she chaired for several years. In 1988 she received the Volunteer Extra Service Hours Award.

Nan Day is a Garden Guide and Volunteer Instructor with the Education Division. She served as chairman of the Guides from 1973 to 1975, doing all scheduling of tours and volunteers. She began assisting with classes for children, which grew into the Volunteer Instructors Program, and has written many of the Guides' training materials. She is an expert on Missouri trees. She received the Extra Service Hours Award in 1985.

Research



MARY BUTKUS

A session on ethnobotany in the Garden herbarium. From left: Stephan Rakotonandrasana, Madagascar; Hoan Duong Thi, Vietnam; Clara Chisongo, Zambia; Anh Tran Phuong, Vietnam; Richard Randrianaivo, Madagascar; Leontine Rahelinirina, Madagascar; Thomas Nzabi, Gabon; Michel Mbombet, Gabon; Dr. Jan Salick, MBG; William Kendeketa, Tanzania; Hieu Nguyen Quang, Vietnam.

Workshop in Botanical Research

THE Department of Applied Research welcomed ten colleagues from around the world to the Garden's 4th curatorial workshop, March 19 to April 13, 2001. The Garden offers these workshops as part of its commitment to provide professional development for collaborators in the countries where the Garden conducts research. Participants this year came from Gabon, Madagascar, Tanzania, Vietnam, and Zambia.

Developing countries are home to the vast majority of the world's plant species, but they have fewer than ten percent of the world's trained scientists.

Developing countries are home to the vast majority of the world's plant species, but they have fewer than ten percent of the world's trained scientists. The Garden works to improve research capacity in other countries to ensure that nations with the greatest biological diversity have the ability to study and manage their own resources.

This year's workshop offered instruction in herbarium management, ethnobotany, botanical databases, geographic information systems (GIS), and taxonomic research. Each participant also had the opportunity to work independently with a Garden botanist. Support for the workshop was provided by the National Cancer Institute, the International Cooperative Biodiversity Groups, Sequoia Sciences, and the National Science Foundation.

Dr. James S. Miller, head of the Department of Applied Research, said, "Future success in botanical research and conservation is completely dependent on strong collaborative partnerships among scientists. Our workshops foster friendships that will provide a strong basis for working together in years to come."

San Diego Zoological Society Honors Raven

ON APRIL 6, 2001, Dr. Peter H. Raven received the Conservation Medal from the Zoological Society of San Diego. The world-famous zoo presented its first Conservation Medal in 1966. Previous recipients include Dr. Jane Goodall, H.R.H. The Duke of Edinburgh, and Sir David Attenborough.

Raven was honored for his distinguished work as a scientist, his early leadership in speaking out on the threat of mass extinctions and worldwide environmental degradation, and for his tireless advocacy for the importance of studying, conserving, and protecting Earth's biological resources.

News of Note

TIM PARKER

From left: Ralph Korte, Lynn Kerkemeyer, Hal Wuertenbaecher.

New Program Extends Outreach to Illinois

THE GARDEN has launched a new program to attract greater numbers of visitors and members from the Illinois communities that form the eastern portion of the St. Louis metropolitan area. The effort is led by Ralph Korte, chairman of The Korte Company and head of the Garden's East Side Advisory Committee, and Hal Wuertenbaecher, an emeritus trustee of the Garden.

Lynn Kerkemeyer has been named as East Side Marketing Officer for the Garden. She will be managing the program as part of the Garden's Communications Division, directed by Brenda Jones.

"We are very excited about this new opportunity to increase awareness of the Garden and what it has to offer to people in Illinois," said Jones. "We expect to attract more visitors to the Garden and help build our membership on the East Side. Our ultimate goal is to build a strong and prosperous regional community that transcends geographical and political boundaries."

Students displayed their posters in Bi-State buses this spring.

EarthLinks – Ecology in Transit

Discovering Missouri's Native Trees

MORE THAN 600 STUDENTS from public and private schools in St. Louis and St. Louis County are teaching the rest of us about the native trees of Missouri and how public tranportation promotes a cleaner environment. Children in grades 3 through 8 produce posters with drawings, information, and an essay on why Missouri trees are important to them. The first posters went on display in Bi-State buses in February.

"EarthLinks – Ecology In Transit" was developed by the International Center for Tropical Ecology at the University of Missouri-St. Louis in collaboration with the Bi-State Development Agency's Arts in Transit program, the Litzsinger Road Ecology Center, whose programs are operated by the Missouri Botanical Garden, and the Missouri Department of Conservation's Confluence Greenway program.

Garden educators who are based at the Litzsinger Road Ecology Center prepared packets of educational information and conducted two workshops to train teachers for the tree study. The staff also developed a "Tree Observation Journal" for students to record what they learn.

Additional information on the EarthLinks – Ecology In Transit program can be found on the International Center for Tropical Ecology's web site at UM-St. Louis: http://icte.umsl.edu/earthlinks.html.

TIM PARKER

National Workshop for Educators

The Garden welcomed educators from all over the United States for professional development training in April. The Education Division presented workshops on Discovery Units, the innovative curriculum for field trips developed at the Garden and other midwestern botanical gardens. Discovery Units emphasize inquiry-based learning activities that reinforce field trips with classroom lessons. Shown here, visiting educators try out a pollination experiment with the Volunteer Interpreter Carts.

TIM PARKER

What's Up?

You may have wondered about the work underway on the Shoenberg Administration Building this spring. In compliance with the Americans with Disabilities Act, a new elevator is being installed in the central portion of the building with funding secured from the State of Missouri.

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continued on page 22

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Signature items designed exclusively for the Garden Gate Shop:

Right: Italian handblown glass serigraphed in silver with a design based on the Climatron® dome.

Below: Motifs inspired by the irises in the Japanese Garden enhance a solid brass thermometer and a silver plated picture frame.

PHOTOS BY TRENT FOLTZ

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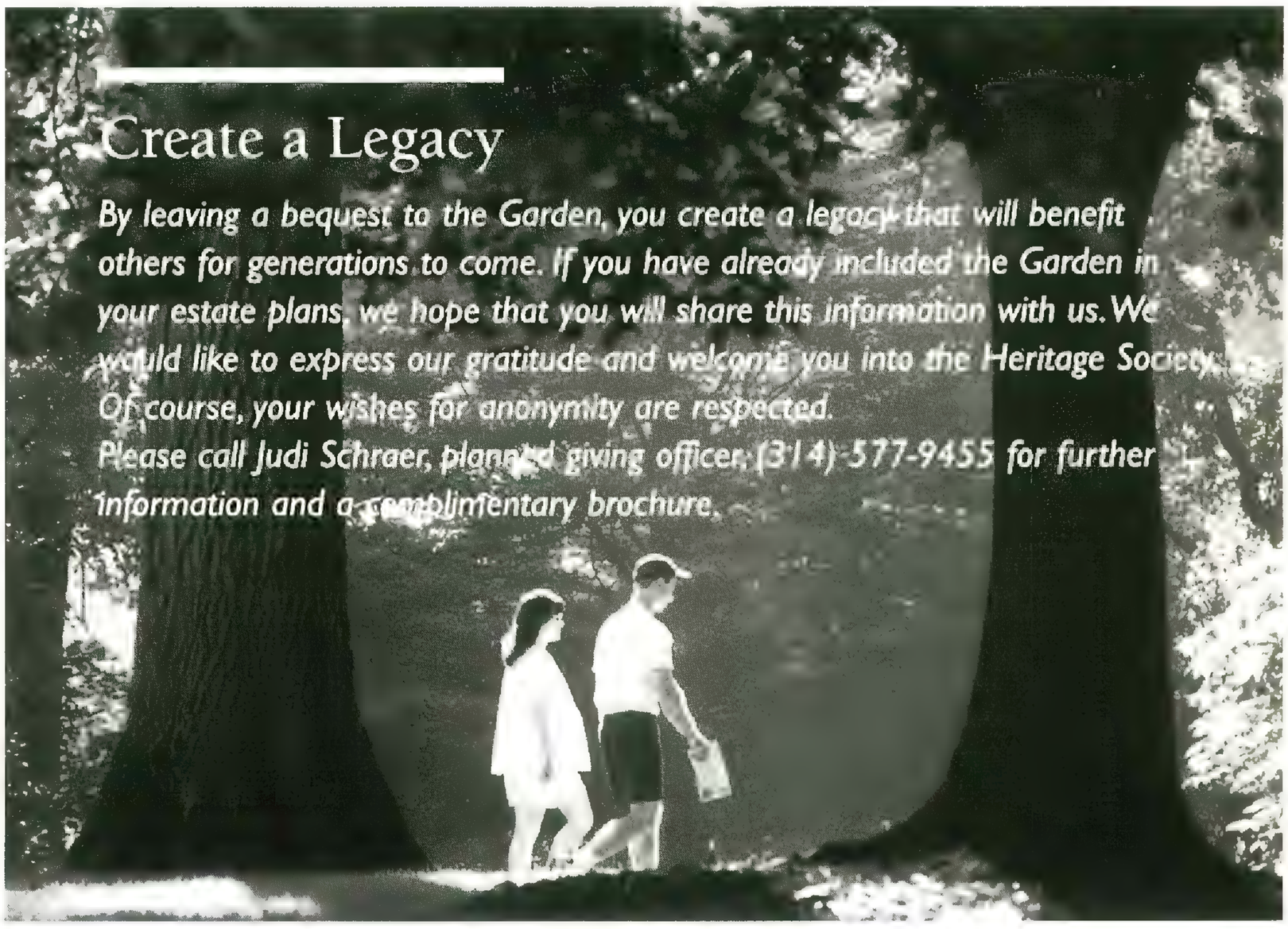
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THE MEMBERS' ENTRY COURT

Bricks donated to the Members' Entry Court at the William T. Kemper Center for Home Gardening between February 1 and March 31, 2001:

BRONZE SIGNATURE BRICKS

Todd G. Effan
Elizabeth A. Syberg-Schmitt

Dolores A. Sickles
Her Children and their Families

Richard S. Syberg
Elizabeth A. Syberg-Schmitt

ENGRAVED BRICKS

Mibs Beyerstedt
A.G. Edwards Consumer Sector and Corporate Finance/MAV

Little T. / Timmy Bryant
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Ronald Carr
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Oakville Garden Club

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Chris and Nancy McDonald
Barbara and Robert Ory
George and Kim Powell
JoAnn Powell

Kathryn Stegman Ringkamp
Gloria Ringkamp

Pat Wrigley
Mary Klostermann

Inside This Issue

2.
CHAPUNGU
Special events throughout the exhibition.

5.
CENTER FOR CONSERVATION AND SUSTAINABLE DEVELOPMENT
A new division is launched.

6.
GREENSFELDER MEDAL
The Garden presents the Greensfelder Medal to William Cronon.

7.
TRUSTEES
New Trustees join the Board; a tribute to Earl Nance.

8.
HOME GARDENING
Staking plants now pays off later.

11.
CALENDAR OF EVENTS
Whitaker Jazz Festival, Chinese Culture Days, the Native Plant Sale, and more.

15.
NEWS OF THE MEMBERS
A trip to Holland for 2002

16.
VOLUNTEERS
The annual Service Recognition Luncheon honors decades of service.

17.
RESEARCH
The fourth herbarium workshop offers professional development for visiting scientists.

Printed on recycled paper using soybean inks.

Whitaker **jazz** festival **2001**

JUNE 6 – JULY 11 • See page 11

Missouri Botanical Garden BULLETIN (ISSN 0026-6507)
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See the World

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B U L L E T I N

Missouri Botanical Garden

See the World

JULY / AUGUST
2001

30 Years at the Garden

Peter H. Raven, Director

See page 6

Volume LXXXIX
Number Four

Chapungu

Custom and Legend:
A Culture in Stone

The Chapungu exhibition is sponsored by

EMERSON

WHITAKER FOUNDATION

Charter Communications

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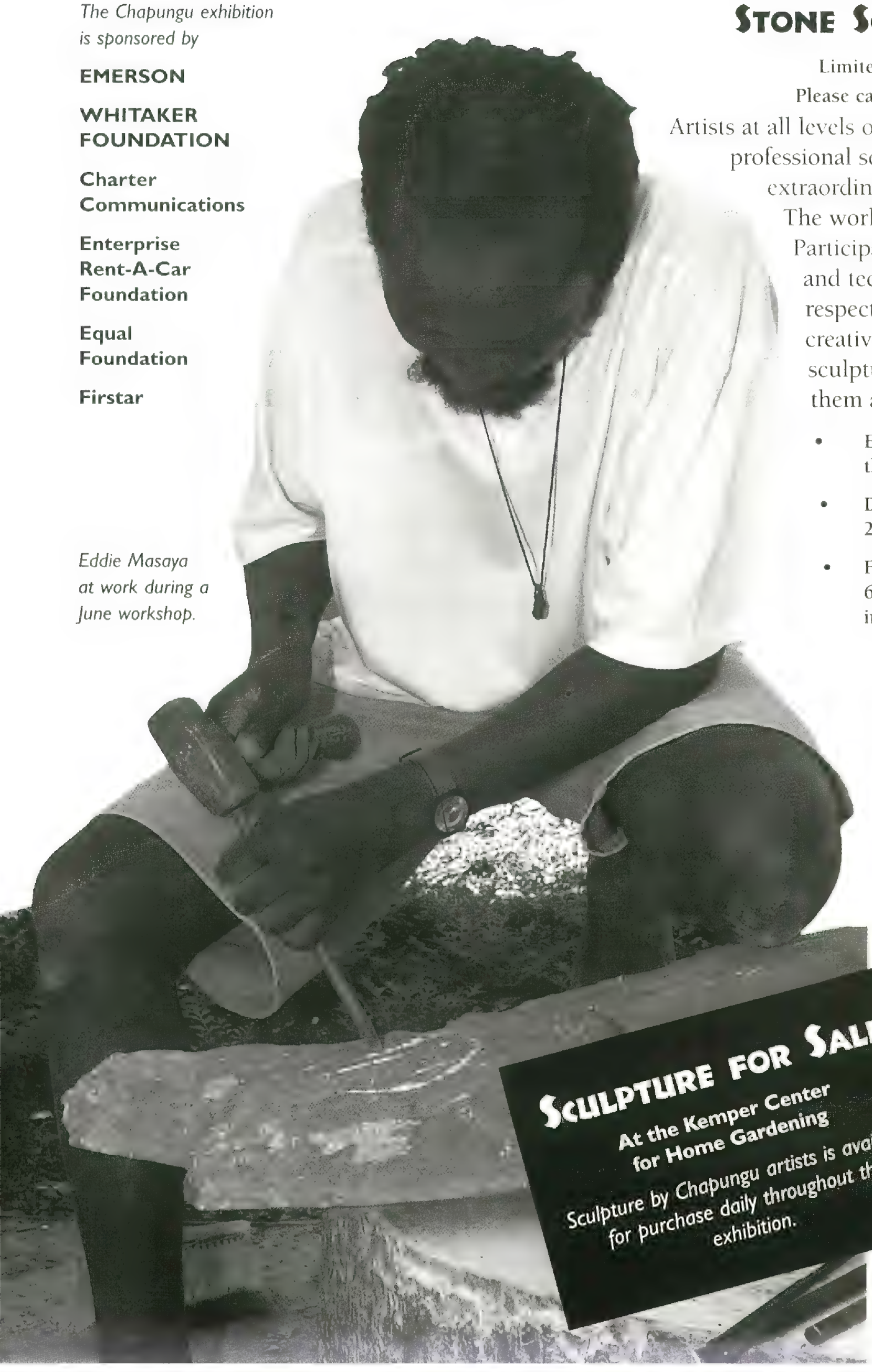
Equal Foundation

Firstar


Sculpture for Sale
At the Kemper Center for Home Gardening
Sculpture by Chapungu artists is available for purchase daily throughout the exhibition.

Eddie Masaya at work during a June workshop.

MARY BUTKUS

Stone Sculpting Workshops

Limited to six students per workshop.
Please call (314) 577-5125 for reservations.

Artists at all levels of experience are invited to work with the professional sculptors who created some of the extraordinary pieces in the Chapungu exhibit. The workshops are held on Garden grounds. Participants are introduced to traditional tools and techniques of direct stone carving and respect for the stone as it contributes to the creative process. Each student creates a sculpture, assisted by the artist and observing them at work.

- Each workshop is five days, Tuesday through Saturday.
- Daily schedule: 9 a.m. to 1 p.m., lunch break, 2 p.m. to 4 p.m.
- Fee: $400, includes a set of basic tools and 60-lb. stone from Zimbabwe, plus individual instruction and guidance from the artist.

July 10 – 14, July 17 – 21

Visiting artists: Joseph Muzondo and Sylvester Mubayi

August 7 – 11, August 14 – 18

Visiting artists: Jonathan Mhondorohuma and Gift Muchenje

See Chapungu through October 7, 2001

This summer you can enjoy 66 stone sculptures from Zimbabwe on display at the Garden, the largest exhibition of these extraordinary works of art ever shown in the United States.

Meet the visiting sculptors at special events throughout the exhibition.
See pages 11 – 13 for details.

Chapungu

Custom and Legend: A Culture in Stone

Chapungu Docents Welcome Visitors

MORE THAN 80 specially trained guides are on hand this summer to welcome visitors and answer questions about the Chapungu sculptures.

Look for docents under the white umbrellas: Monday through Friday, 10 to 11.a.m. and 2 to 3 p.m.; Saturdays, 10 a.m. to noon and 2 to 4 p.m.; and Sundays, 11 a.m. to noon and 2 to 4 p.m. (Not available during the Japanese Festival or Best of Missouri Market.)

Some of the docents are Missouri Botanical Garden Guides, but many Chapungu docents are new volunteers at the Garden, drawn from organizations throughout the St. Louis community. The organizations include Alpha Kappa Alpha Sorority, Delta Sigma Theta Sorority, Kappa Alpha Psi Fraternity, Links (Archway, Gateway, and St. Louis chapters), Phoenix Club, and the Urban League Guild. In addition, a number of volunteers from the Girl Scout Council of Greater St. Louis have been trained as docents for the exhibit.

MARY BUTKUS

Docents Doris Eldridge (left) and Beatrice Strong introduce visitors to "The Last Warrior" sculpture. Eldridge and Strong are volunteers from the Phoenix Club.

TIM PARKER

Walking Tours

Special guided walking tours of the exhibit are available for groups of 10 or more with four weeks advance notice. Cost is $3 per person in addition to Garden admission. Call (314) 577-0296 for information and reservations.

"Journey Into Africa" Children's Discovery Maps

Stamp your map and win a free prize! Special brochures introduce kids to the exhibit. $2 each, at the Ticket Counter.

Reception Honors Docents

Shown at a reception at the Kemper Center for Home Gardening on May 31 (from left): Rosalyn Madden, Delta Sigma Theta and MBG volunteer; Ollie Ward, Alpha Kappa Alpha, Gamma Omega Chapter; Madeline Matthews, Urban League; Janie Lane, Delta Sigma Theta, St. Louis Alumnae Chapter; and Bessie Peabody, Top Ladies of Distinction, St. Louis Chapter.

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.

NORMALLY, you would find Peter Raven's introduction to the *Bulletin* in this space, with his comments about exciting events at the Garden and Shaw Nature Reserve and the latest important discoveries by our scientists. I have wrestled this space from Dr. Raven to recognize the fact that thirty years ago this August, he came to the Garden as its director. In those years, he has utterly transformed our Garden into a world-class institution.

As I complete my term as president of the Board of Trustees, I am delighted to have this opportunity to express my admiration and appreciation for Peter's achievements. From scientist to evangelist, Peter Raven's mission has been the conservation of the world's plant species and preservation of the biodiversity that makes life possible on Earth.

Stephen F. Brauer, Retiring President, Board of Trustees

When Peter first came to the Garden in 1971, there were four Ph.D. botanists on staff – he became number five. Today, under his leadership, there are nearly 50, supported by almost 150 technical personnel and volunteers. Our scientists are studying the plants of every continent on the globe and working in 30 different countries, where they collaborate with local institutions and colleagues and train residents to assist with botanical research. More than 30 young scientists, about half from abroad, come to St. Louis each year for graduate study at the Garden, offered in collaboration with Washington University, University of Missouri-St. Louis, and St. Louis University.

The scientific discoveries that have emanated from the Garden's research during Peter's tenure are profound. They have led to new products for medicine, nutrition, and other uses, all bound by an international protocol that protects the interests of host countries.

When Peter came here, only about ten acres of the Garden were developed. There were 65 employees and a budget of about $600,000. Today, the Garden is almost fully developed, where the relationship between plants and trees and humankind is elegantly displayed, where interpretation is increasingly emphasized and where all of us come to understand and appreciate the cultures of other peoples and to see their relationship to our own. You cannot walk through the Garden, or for that matter hike through Shaw Nature Reserve, without experiencing the influence of Peter Raven — from the Japanese, Chinese, and German Strassenfest Gardens to the Whitmire Wildflower Garden, to name but a few. Today, the Garden has 390 employees and the budget approaches $24 million.

Peter Raven's commitment to preserving nature and increasing our understanding of the role of plants in our lives will be expressed for generations to come in our Garden and Shaw Nature Reserve.

— *Stephen F. Brauer*

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www.mobot.org

Important Phone Numbers:

(314) 577-5100
Development: (314) 577-5120
Patricia Arnold, director
Communications: (314) 577-0254
Brenda Jones, director
Membership: (314) 577-9500
Public Relations: (314) 577-5141

Garden Hours:
9 a.m. to 5 p.m. every day except Christmas; 9 a.m. to 8 p.m. on Mondays Memorial Day through Labor Day.
Grounds open 7 a.m. Wed. & Sat.

Shaw Nature Reserve:
(636) 451-3512 (toll free from St. Louis)

24-Hour Information:
GardenLine – (314) 577-9400
Or call 1-800-642-8842.

24-Hour Gardening Tips:
HortLine – (314) 776-5522
Or see www.mobot.org.

Horticulture Answer Service:
Talk to a Master Gardener from 9 a.m. to noon, Mon.–Fri.: (314) 577-5143
Composting/Recycling Hotline: (314) 577-9555

On the Cover
Peter H. Raven stands in the Climatron® rain forest, surrounded by thousands of tropical plants. In August Raven celebrates 30 years as director of the Garden.
– Photo by Trent Foltz.

Editor
Susan Wooleyhan Caine

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Missouri Environmental Fund
Member Organization

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Trustees

Thomas Named President of Board

MARY BUTKUS

Jack Thomas (right) with Peter Raven

THE BOARD OF TRUSTEES elected Jack E. Thomas, Jr. as President at the meeting on June 13, 2001. Thomas, the former Vice President of the Board, succeeds Stephen F. Brauer, who recently was named Ambassador to Belgium by President Bush.

Thomas joined the Garden Board in January, 1990. He is President and Chief Executive Officer of Coin Acceptors, Inc., and Chairman and Chief Executive Officer of Royal Vendors, Inc.

Thomas is active in civic and cultural organizations throughout St. Louis. He is the current Chairman of the Board of Trustees of Mary Institute and Country Day School. He also serves on the Executive Board of the Boy Scouts of America St. Louis Area Council, the Executive Committee and Board of Governors of Fair Saint Louis, the National Council of the Olin School of Business at Washington University, Boys and Girls Town of Missouri, and the Youth and Family Center, as well as several corporations. He is Past-Chairman of the Young Presidents' Organization in St. Louis and was the St. Louis Entrepreneur of the Year in 1996.

"Working with the Missouri Botanical Garden is an exciting opportunity," Thomas said. "St. Louis today is at the forefront in plant sciences. With Peter Raven's leadership, the Garden's commitment to education and scientific research can have a real impact on the future of our community and our world."

Stephen Brauer Is Honored

Paying tribute to Stephen Brauer's service to the Garden, Thomas said, "Steve has done an outstanding job as president of the Board of Trustees. He led our celebration of Henry Shaw's 200th anniversary and helped to strengthen the Garden's financial future. We will miss his leadership, and we congratulate him and wish him well in his new appointment. It is a well-deserved honor that reflects great credit on Steve and the organizations with which he is associated."

TIM PARKER

Bob Hermann (right) was congratulated for 35 years on the Board by Jack Thomas at the Henry Shaw Dinner.

Hermann Is Honored for 35 Years on the Board

Robert R. Hermann was honored at the Henry Shaw Dinner May 10, 2001, for 35 years of service to the Garden. Hermann joined the Board of Trustees in 1966. He has been a member of the Henry Shaw Society for 36 years and is a charter member of the Peter H. Raven Society. During his tenure on the Board, Hermann has supported the Garden with commitment and generosity through the Hermann Foundation and Hermann Companies. Together with his wife, Mary Lee, he was a co-chair of the "Impressions of Giverny" gala in 1999.

Hermann's service to the St. Louis community is legendary. He is known as the father of Fair Saint Louis, the founder of the St. Louis Arts Festival, and the creator of Operation Brightside. He was recently named St. Louis Citizen of the Year.

Morse Is Recognized for 15 Years of Service

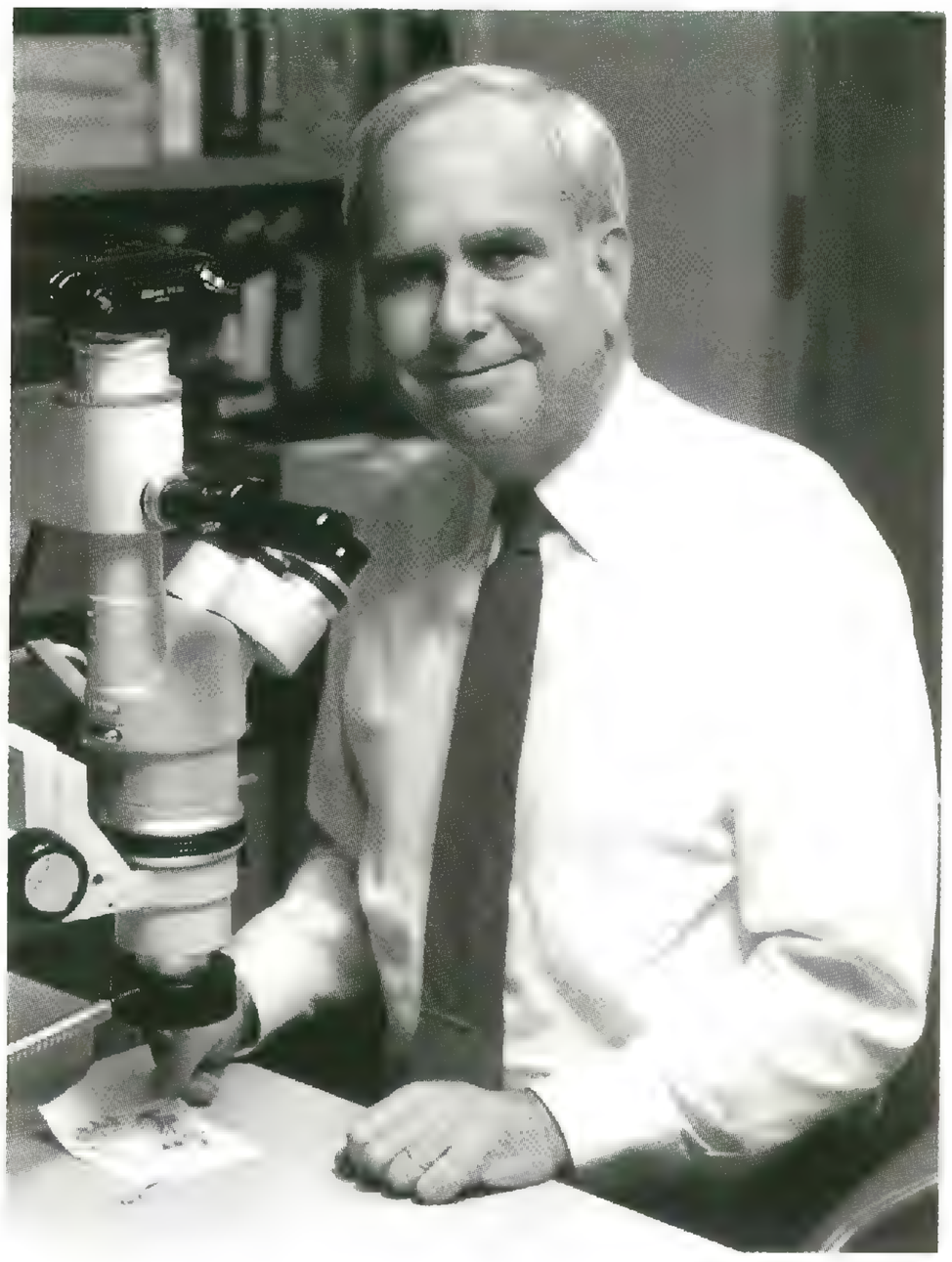
Lucius B. Morse III was elected to the Garden's Board in 1986. As a trustee, he has worked tirelessly for the Garden and currently serves on the Investment and Corporate Partners Committees. He has served on the Shaw Nature Reserve Committee since 1988 and is a past chair. His dedication and commitment to the Nature Reserve have helped move it forward with recent developments including the Bascom House, the Whitmire Wildflower Garden, and the Dana Brown Foundation Overnight Educational Center. Morse is chairman of LBM Enterprises of St. Louis and has been active in many St. Louis civic, business, and cultural organizations.

MARY BUTKUS

From left: Jack Thomas, Lu Morse, Nora Stern, and Peter Raven. Stern's 15th anniversary was recognized at the November, 2000 meeting. (See the Bulletin, January/ February 2001.)

30 Years at the Garden

PETER H. RAVEN
DIRECTOR OF THE MISSOURI BOTANICAL GARDEN, 1971 –



Raven received the National Medal of Science, the nation's highest scientific honor, in December 2000.

TIME named Raven a "Hero for the Planet" in 1999 in recognition of his leadership in environmental conservation and sustainable development.

"We have relatively short lives, and yet, by preserving the world in a condition that is worthy of us, we win a kind of immortality. We become stewards of what the world is." – Peter H. Raven, TIME

ON August 1, 1971, Peter Hamilton Raven became Director of the Missouri Botanical Garden. From the day he arrived, things have never been the same.

"When Henry Shaw established the Garden in 1859, he dedicated it to public service and scientific research," said Jack Thomas, President of the Board of Trustees. "Subsequent directors built on that tradition, but the past thirty years have surpassed anything Shaw could have imagined, led by the extraordinary talents and vision of Peter Raven. Peter's energy is legendary, and his enthusiasm inspires all friends of the Garden to respond to the challenge of the future."

In just three short decades, the Missouri Botanical Garden has been transformed into one of the world's outstanding botanical institutions. In 1971, the Research Division had just four Ph.D.s on staff; today there are nearly 50, conducting a worldwide program of exploration and discovery in some 30 countries. The herbarium had about 2,000,000 mounted specimens in 1971; today there are more than 5,000,000, making the Garden's collection the fastest growing in the world. In

30 Years at the Garden

1971, the Garden had just 4,000 members; today it has 35,000. Horticultural displays on the grounds have grown from ten acres to 73. Attendance at the Garden has tripled since 1971, to some 750,000 per year. The Education Division has tripled the number of children and teachers participating in its award-winning programs.

Today Peter Raven is honored as one of the world's most distinguished botanists, recognized as a leading authority on plant systematics and as an originator of the revolutionary concept of coevolution. Named a "Hero for the Planet" by TIME, Raven is internationally renowned for his leadership in promoting environmental conservation and sustainable development. He was one of the first scientists to warn of the dangers of the rapid loss of habitats and biological diversity around the globe.

In December, 2000, Raven received the National Medal of Science, the nation's highest scientific honor. He serves as chairman of the National Geographic Society Committee for Research and Exploration and is the current President of the American Association for the Advancement of Science, the world's largest organization of professional scientists and publishers of the journal *Science*. Raven is Engelmann Professor of Botany at Washington University in St. Louis, co-editor of the monumental international project Flora of China, and a member of the academies of science in more than 15 countries.

Raven said, "As we enter the new millennium, when the world's ecosystems face unprecedented challenges, the world's human community must respond with knowledge, compassion, and international cooperation."

Clockwise from top: Alan Alda and Raven in the Climatron® rain forest. Alda visited the Garden for a recent episode of the PBS series Scientific American Frontiers.

The Emperor and Empress of Japan visiting the Garden in 1994.

Raven with Pope John Paul II. Raven is a member of the Pontifical Academy of Sciences, which addresses issues of global sustainability and public policy.

Welcoming the 35,000th member of the Garden in 1999, together with Liz Teasdale, then-president of the Members' Board (right).

Raven (at podium) was president of the XVI International Botanical Congress, which brought some 5,000 scientists from 80 countries to St. Louis in 1999. The Congress convenes only once every six years and had not been held in the United States since 1969.

Home Gardening

WHERE can you have a plant problem diagnosed, talk to a Master Gardener about growing roses or print out information on how to grow and find over 1700 choice garden plants? These are just a few of the services you will find at the William T. Kemper Center for Home Gardening.

Staffed by horticulture professionals, St. Louis Master Gardeners, and other volunteers, the Kemper Center is the premier resource for gardening information in St. Louis.

At the Reception Desk

When you first enter the Kemper Center, the staff and volunteers at the Reception Desk will answer your questions on the spot or help you find the resources you need in the Center's library. The Reception Desk volunteers love the challenges of identifying plants, locating cultural information, answering design questions, and finding fact sheets that help make gardening more rewarding. They are also well versed in the plants growing at the Center -- and they can help you identify, find, and learn how to grow them. With a corps of over 45 volunteers, someone is always on hand to help.

Hours are 9 a.m. to 5 p.m. daily.

The Plant Doctor

The Plant Doctors are trained in diagnosis and control of plant problems. They will examine your specimen or discuss your problem and find workable cures or solutions. The 55 Master Gardeners complete Master Gardener training and yearly summer diagnostic classes. They answer over 4,100 questions a year, and their experience is broad and deep. They are home gardeners themselves and have probably wrestled with your problem first hand in their own gardens. Ask to see that offending spider mite or aphid larger than life on the TV monitor, or request a free soil pH test.

Plant Doctors are available Monday through Saturday from 10 a.m. to noon and 1 to 3 p.m.

Outdoor Advice

Look for the garden cart with the "Ask a Master Gardener" sign outdoors in the demonstration gardens, each Wednesday and Saturday morning from May through September.

The Master Gardeners are on hand to answer your questions on Wednesdays and Saturdays between 10 a.m. and 1 p.m.

THE DOCTOR IS **IN**

MARY BUTKUS

At the Plant Doctor Desk in the Kemper Center for Home Gardening: St. Louis Master Gardeners Harold Glad, Arlene Price, and Apryl Reinsch.

Do You Make House Calls?

No, but we do offer the next best thing — gardening help by phone or online.

At the Horticultural Answer Service, you can talk to a Master Gardener by phone. Some of the 45 volunteers have been answering questions for over 20 years, and new members are recruited regularly and trained. Last year the Service answered over 23,000 questions and mailed out approximately 2,800 packets of information.

To speak with a Master Gardener, call the Horticultural Answer Service at (314) 577-5143 Monday through Friday between 9 a.m. and noon.

Online Help:
www.mobot.org/hort/outreach

You will find a wealth of plant information at the Kemper Center for Home Gardening website. For a listing of what is currently in bloom in the Garden go to http://www.mobot.org/MOBOT/bloom, where data is recorded weekly by a group of 30 volunteers.

You will find detailed information on 1700 plants growing in the Kemper Center Demonstration Gardens in the "PlantFinder" feature. Over 300 pages of the most commonly requested gardening information is available in "HortLine,"and 80 of the most common plant problems are described and controls given in the "Integrated Pest Management" pages. You can also get information on Plants of Merit for 2001. All these services and more are available at the Kemper Center on the Interactive Workstation computer as well as online.

Thank You, Master Gardeners

The St. Louis Master Gardener program is a joint program of University Outreach and Extension and the Missouri Botanical Garden. The staff at the Kemper Center for Home Gardening salutes our 200 Master Gardeners and other volunteers, who tirelessly contribute their time, energy, and expertise to provide services that reach gardening audiences worldwide.

To learn more about volunteer opportunities at the Garden's Center for Home Gardening, call Glenn Kopp at (314) 577-5148.

by Glenn E. Kopp,
Instructional Coordinator for Adult Programs

MARY BUTKUS

Andrea Voyer (right) and her children examine Monarch butterfly chrysalises in the children's greenhouse room at the Kemper Center.

July Is KIDS IN BLOOM Month

Saturdays in July

Walk-in Activities: 10 a.m. to 2 p.m.

Kemper Center for Home Gardening

Free – No Reservations Necessary

July is Kids in Bloom Month at the Kemper Center! Join the fun this year and discover the wonderful world of plant pollinators.

SATURDAY JULY 7 – "Bonkers for Butterflies"

Kids make their own butterfly magnets to take home. We will read stories about the wonderful world of butterflies, and there will be chrysalises on hand to watch as butterflies emerge.

SATURDAY JULY 14 – "Bonkers for Butterflies II"

Students from Kingston K-14 School District will visit to talk about their display of butterfly ceramics and help kids create their own artwork at butterfly stamping stations. The students will describe their joint environmental monitoring project with NASA, and kids can watch as butterflies emerge from chrysalises.

SATURDAY JULY 21 – "Bee-In"

Beekeepers will be on hand to teach kids about bees as pollinators and honey producers. Taste honey, see the working beehive, and have some fun with bee activities and goodies.

SATURDAY JULY 28 – "Birds and Bats and Bugs, Oh MY!"

Featuring "the forgotten pollinators." Bat facts, backyard bird feeding, and bug activities will be the order of the day.

Home Gardening

Directory of Regional Plant Societies

This list is published twice a year, in the January and July issues of the *Bulletin*. To change your listing, call (314) 577-5141. Some calls to 636 area code may require dialing "1" first, depending on the caller's location.

American Orchid Society
(Mid-America Regional Judging Committee)
David Brown. . . . . (314) 727-2385

Belleville Area Rose Society
Dennis Nelson. . . . . (618) 233-4609
. . . . . http://users.accessus.net/~rosenut

Bonsai Society of Greater St. Louis
Bob Harris . . . . . (314) 352-0817

Boxwood Society of the Midwest
Mary Clair Wenger . . . . . (314) 846-2834

Dahlia Society of Greater St. Louis
Ellis Evans . . . . . (314) 843-3767

Federated Garden Clubs of Missouri
Sue Reed. . . . . (314) 965-6813

Gardeners of America (Ozark Region)
Russell McClellan . . . . . (314) 837-2470

Gateway West Gesneriad Society
Gary Dunlap . . . . . 1-(636) 789-3604
patspets@JCN1.com

Greater St. Louis Daffodil Society
Jason Delaney. . . . . (314) 577-0234
jason.delaney@mobot.org

Greater St. Louis Daylily Society
Elaine Hogg . . . . . (314) 432-4206

Greater St. Louis Iris Society
Jim Loveland. . . . . (636) 349-4977

Henry Shaw Cactus Society
Pat Thomann . . . . . (314) 892-1123

Metro East Herb Club
Daphne Sumner . . . . . (618) 538-7739

Metropolitan St. Louis African Violet Council
Nancy Amelung. . . . . (314) 961-7142

Mid-America Regional Lily Society
Fred Winterowd . . . . . (314) 423-5313

Missouri Botanical Garden Daylily Society
Mirko Bolanovich . . . . . (314) 965-7471

Missouri Mycological Society
Maxine Stone . . . . . (314) 963-0280
verymaxine@aol.com

Missouri Native Plant Society
George Yatskievych . . . . . (314) 577-9522
george.yatskievych@mobot.org

Missouri Orchid Society
Ron Taube. . . . . (314) 961-0577

North American Rock Garden Society
Ruth Hartsell . . . . . (314) 241-7673

Orchid Society of Greater St. Louis
Millie Schettle . . . . . 1-(636) 584-0494
schettle@usmo.com

Rose Society of Greater St. Louis
Mike McDonald . . . . . (636) 227-3426

St. Louis Carnivorous Plant Society
Susan Farrington . . . . . (314) 577-9402
susanfmo@aol.com

St. Louis Evening Herbalists
Linda Burke . . . . . (314) 961-4314
cleftstone@aol.com

St. Louis Herb Society
Barbara Rezny . . . . . (314) 721-8886

St. Louis Horticultural Society
Mindy Keyser. . . . . (314) 421-6610 x236
mindy_keyser@simmonsdurham.com

St. Louis Hosta Society
Sandra Copeland . . . . . 1-(636) 447-5980
sandracopeland@usa.net

St. Louis Water Garden Society
Joe Summers. . . . . (314) 961-1971

Webster Groves Herb Society
Nancy Waddell . . . . . (636) 464-6085
petaledposes@aol.com

West County Daylily Club
Ms. Chick Buehrig. . . . . (314) 389-8261
buehrig31@aol.com

Wild Ones Natural Landscapers, St. Louis Chapter
Scott Woodbury. . . . . (636) 451-3512
scott.woodbury@mobot.org

Calendar of Events

July & Aug.

"Journey Into Africa" Breakfasts

Saturdays, 9 a.m., Garden Café

Especially for families! Join us for breakfast hosted by a Chapungu sculptor, then head out on a quest through the exhibit with Kids' Discovery Maps and more.
$13 Garden members, $15 Non-members.

June 30	Amos Supuni
July 28	Sylvester Mubayi
August 4	Jonathan Mhondorohuma
August 25	Gift Muchenje
September 8	Colleen Madamombe
September 29	Agnes Nyanhongo

Lunch with the Artists

Thursdays, Noon, Spink Pavilion

Join us for lunch and conversation with a Chapungu sculptor. $23 Garden members, $25 Non-members.

June 28	Amos Supuni
July 26	Sylvester Mubayi
August 2	Jonathan Mhondorohuma
August 23	Gift Muchenje
September 6	Colleen Madamombe
September 27	Agnes Nyanhongo

CHAPUNGU
A CULTURE IN STONE

July & August Events

July 1 – August 10

Exhibit: "Cacti"

Regular hours, Ridgway Center. Splendid large format color photographs by Steve Feiner of the Henry Shaw Cactus Society. Free with Garden admission or membership.

July 1 – August 12

Exhibit: "Out of the Garden and Into the Woods"

Regular hours, Ridgway Center. Oil paintings of flowers and landscapes by John O'Dell, many featuring Shaw Nature Reserve. Free with Garden admission or membership.

July 1 – October 7

"Chapungu: Custom and Legend – A Culture in Stone"

Regular hours. Free with Garden admission or membership. See page 2 for details.

July 1 Sunday

Plastic Pot Recycling

Noon to 5 p.m., west lot of The Monsanto Center, 4500 Shaw. Drop off your plastic plant pots and they will be recycled into landscape timbers. No household plastic or wire hangers, please empty soil from pots. Sponsored by St. Louis-Jefferson Solid Waste Management District and the American Plastics Council. For information, call (314) 577-9440, Monday through Friday, 9 a.m. to 5 p.m.

July 4 Wednesday

Whitaker Jazz Festival – Swing Set

Concert begins at 7:30 p.m. outdoors at Cohen Amphitheater. Bring a picnic, or box suppers can be ordered in advance from the Garden Café, (314) 577-0200. Cash bar. Sponsored by the Whitaker Foundation. Call (314) 577-9400 for recorded information. Lawn seating. Free.

July 11 Wednesday

Whitaker Jazz Festival – Mae Wheeler

Concert begins at 7:30 p.m. outdoors at Cohen Amphitheater. See July 4 above for details.

July 12 – August 31

MBG Library Display

9 a.m. to 4:30 p.m., Monsanto Center, 4500 Shaw. Members and the public are invited to view a display of rare books from the Linnaean Collection.

July 14 – 22

Henry Shaw Cactus Society Show and Sale

Saturday, July 14: Noon to 5 p.m. Sunday, July 15: 9 a.m. to 5 p.m. Monday, July 16: 9 a.m. to 8 p.m. Tuesday – Sunday, July 17 – 22: 9 a.m. to 5 p.m. See a fabulous array of cacti and succulents. Regular hours. Free with Garden admission or membership.

July 21 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop and the Kemper Center for Home Gardening. Hear "bee" tales at the Shop, then buzz on over to the Kemper Center to see and learn more about bees. For ages 4 to 10. Parents and guardians are welcome to attend, and children under age 4 must be accompanied by an adult. All children's books are an additional 10% off during StoryTime. Free with Garden admission or membership.

July 24 Tuesday

Henry Shaw's Birthday

10 a.m. to 3 p.m., You're invited to join Henry Shaw at his home

August 14 Tuesday

Children's Mad Hatter Tea Party

1 p.m., Orthwein Floral Hall. Enjoy refreshments and decorate a hat to take home. Hats and trimmings provided by the Teachers Recycling Center. Sponsored by Tower Grove House Auxiliary. Reservations are required: $10 for adults, $7 for children ages 3 to 12. Call (314) 577-9500 by August 7.

July & August Events

to celebrate his 201st birthday. Includes free admission to Tower Grove House, Victorian hurdy-gurdy man, stiltwalker, silhouette artist, games, birthday cake and refreshments. The fun is free with Garden admission or membership.

July 29 Sunday

Greater St. Louis Iris Society Sale

10 a.m. to 5 p.m., or until sold out. Ridgway Center. Free with Garden admission or membership.

August 12 Sunday

MBG Daylily Society Sale

9 a.m. to 5 p.m., or until sold out. Ridgway Center. All plants are from the Jenkins Daylily Garden, and all proceeds benefit the Missouri Botanical Garden. Free with Garden admission or membership.

August 17 – September 4

Japanese Art Exhibition

On display in the Ridgway Center during Japanese Festival hours or regular Garden hours. See page 14 for details.

August 18 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop. Stories about Africa, inspired by the Chapungu exhibit. See July 21 for details.

August 19 Sunday

Greater St. Louis Daylily Society Sale

9 a.m. to 5 p.m., Ridgway Center. Free with Garden admission or membership.

Summer Hours

Regular Garden hours: 9 a.m. to 5 p.m. daily; open until 8 p.m. Mondays, Memorial Day through Labor Day.

July 22 Sunday – MEMBERS' DAY

Henry Shaw's Birthday Celebration

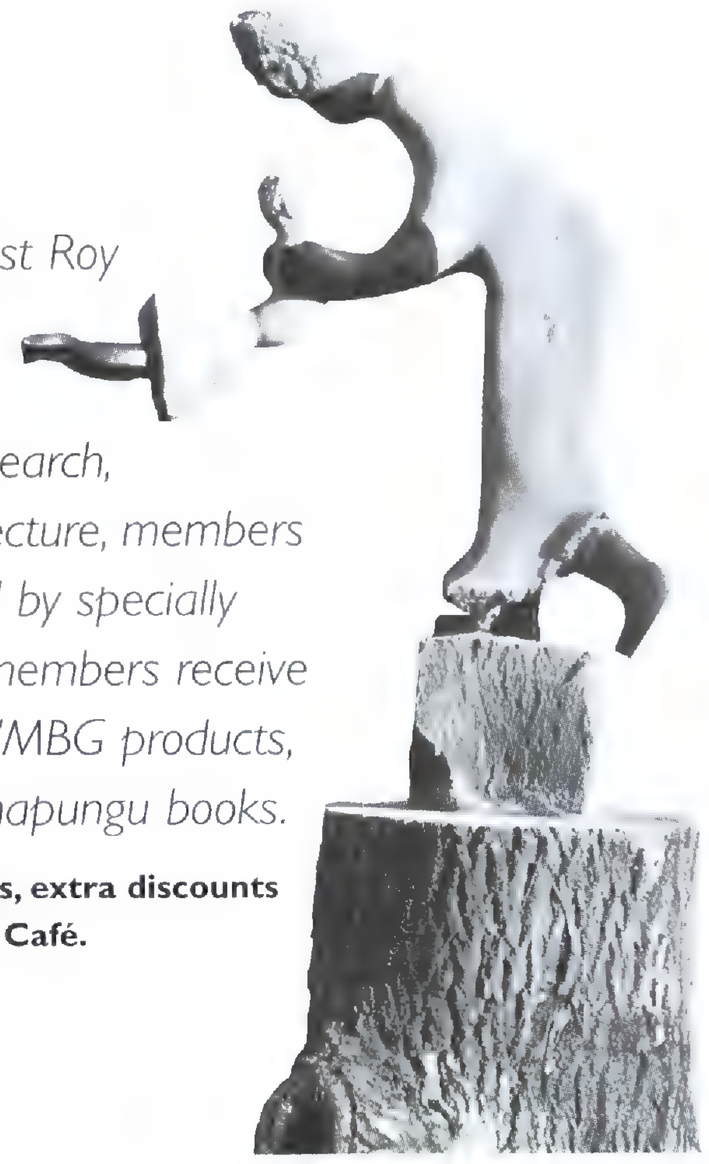
11 a.m. to noon: Magician Harry Monti will perform at the Kemper Center. In the Garden Gate Shop, noon to 2 p.m.: historian William Barnaby Faherty, S.J., will sign copies of the latest edition of his book Henry Shaw: His Life and Legacies, *MBG Press, 2001. Members receive an additional 5% discount on all signature MBG merchandise and books.*

August 10 Friday – Members' Day

Chapungu Exhibit Tours

10 a.m., Shoenberg Auditorium: MBG botanist Roy Gereau of the Africa and Madagascar Department presents a slide lecture, "Missouri Botanical Garden in Tanzania: Research, Training, and Conservation." Following the lecture, members are invited to tour the Chapungu exhibit led by specially trained docents. In the Garden Gate Shop, members receive an additional 5% discount on all Chapungu/MBG products, hand-crafted items from Zimbabwe, and Chapungu books.

On Members' Days, members receive free tram rides, extra discounts in the Garden Gate Shop, and 10% off in the Garden Café.



COMING UP – September 16 Sunday

"Chefs in a Garden"

6 to 9 p.m. The 4th annual event features culinary delights created from the freshest herbs and vegetables provided by St. Louis area community gardens and prepared by the finest chefs in town. Participating restaurants include Café Mira, Cardwell's at the Plaza, Companion Baking, The Crossing, Harvest, King Louie's, and Patty Long's 9th Street Abbey.

For reservations, call (314) 577-9484. Tickets are $100 per person, reserved tables for eight are $1,200. All proceeds benefit Gateway Greening, Inc. Since 1984, Gateway Greening has helped hundreds of families transform neglected urban areas into productive neighborhood gardens.

Labor Day Weekend

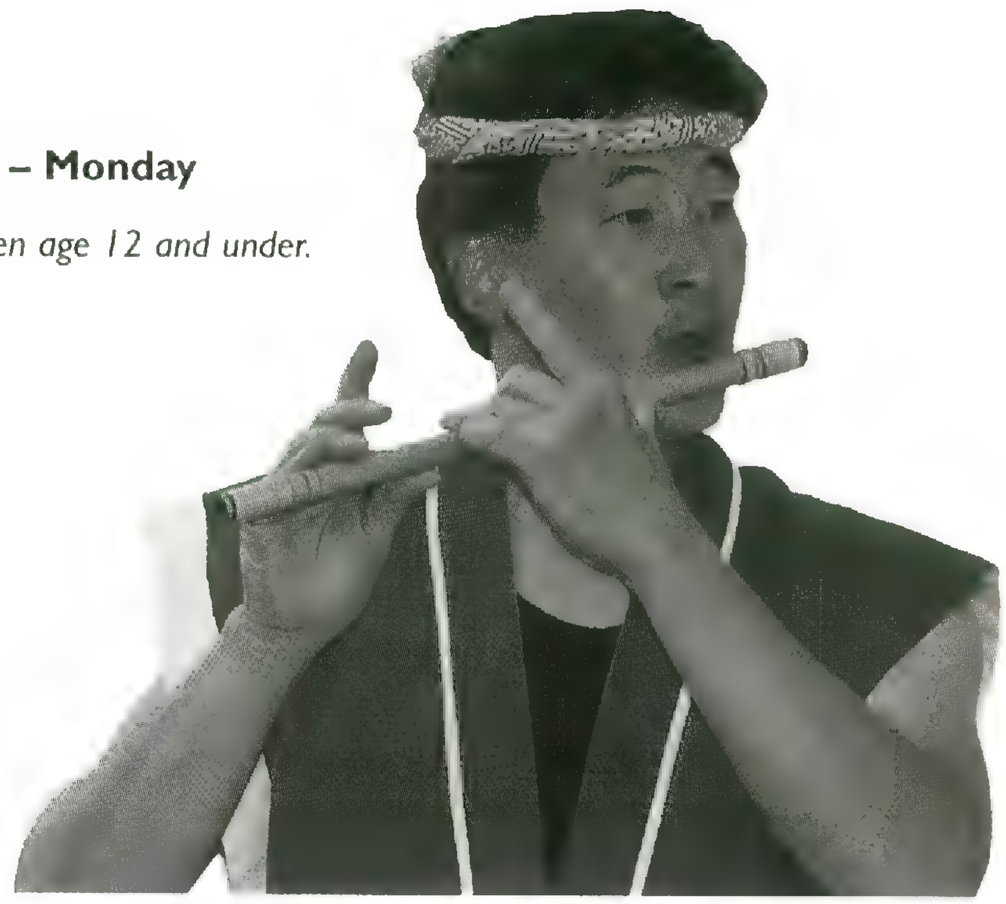
Saturday – Monday, SEPTEMBER 1–3, 2001

10 a.m. to 10 p.m. – Sat. & Sun. • 10 a.m. to 5 p.m. – Monday

Admission: *$10 Adults, $7 seniors, $3 members. Free to children age 12 and under.*

Festival Information 24-Hour Hotline:

Call 577-9400 or 1-800-642-8842



2001 Festival Theme:
"Silver Moon"

25th anniversary

japanese festival

2001

FEATURING TAIKO DRUMMERS from Suwa, Japan

- **The Candyman**
- **Kokeshi – Wooden Carved Dolls Exhibit**
- **Tops of Edo: Ancient Art of Top-Making**
- **Dashi: Children's Wagon Parade**
- **Shakahachi Flute and Koto Masters**
- **Painting Exhibit by Hirayama Ikuo**
- **Tea Ceremonies on Teahouse Island**
- **Candlelight Walks in Seiwa-en**

Plus – Bonsai, Ikebana, Bon Odori Festival Dancing, Cooking Demonstrations, Kimono Fashion Show, Shibori Dyeing, Raku Pottery Demonstrations, Children's Activities and Crafts, Japanese Marketplace, Food & More.

The 25th Annual Japanese Festival is sponsored by the Missouri Botanical Garden and the Japanese Activities Committee, a coalition of organizations that includes the Japanese American Citizen's League, Japan America Society of St. Louis, Japanese Chamber of Commerce & Industry of St. Louis, St. Louis Japanese Language School for Children, St. Louis-Suwa Sister City Committee, St. Louis Japan Society, Seinen Committee, The Women's Association of the Japan America Society, and the Office of the Consulate General of Japan in Kansas City.

Members

Dillard's Sponsors Mother's Day Luncheon

Congratulations to the committee and volunteers who helped to make the annual Mother's Day event, "Around the World With Mom," a great success. More than 450 guests enjoyed the annual luncheon and fashion show, sponsored by Dillard's.

Kent Ehrhardt, chief meteorologist for KMOV Channel 4, was the celebrity master of ceremonies.

At right: Kent Ehrhardt (center) is shown at the luncheon with Andy Dielmann and Debbie Flowers, co-chairs for the event.

TIM PARKER

Save the Date – October 6 & 7, 2001

10th Anniversary Celebration

Best of Missouri Market

Presenting the finest Missouri has to offer from over 100 artisans and vendors, plus cooking demonstrations, music, and fun for kids, including the Home Depot Kids' Workshop. Watch for details coming up in the September issue!

Take Your Membership Benefits on Vacation

Your membership in the Missouri Botanical Garden offers many benefits, including reciprocal admission at more than 100 gardens and arboreta throughout the United States. When you plan your next vacation, request a list of participating gardens by calling the Membership Office, (314) 577-5118.

MARY BUTKUS

Herb Society Celebrates 60th Anniversary

On June 1, 2001, the St. Louis Herb Society celebrated its 60th anniversary of service with a luncheon in the Museum Building, where the group held its first meeting. As longtime supporters of the Garden, the Herb Society maintains the herb garden at Tower Grove House and its members were the first volunteers in the Horticulture Division. They teach classes and workshops, hold plant sales, and have published several reference books and cookbooks. The Society is largely responsible for the popularity of herbs in gardening and cooking in the Midwest. We are deeply grateful to this exceptional organization for their extraordinary service and commitment to the Missouri Botanical Garden.

News of Note

Pyne's Ground Plum Returns to the Wild

Astragalus bibullatus, Pyne's ground plum, is a rare plant found only in Tennessee, where it is extremely endangered in the wild. This past spring, a new population was established in the Stones River National Battlefield, using seedlings grown at the Missouri Botanical Garden.

"This project is particularly exciting because it follows a model developed by the Center for Plant Conservation," said Dr. Kimberlie McCue, the Garden's conservation biologist. "We collected seed from wild plants, learned how to grow them, then transplanted seedlings to establish a new colony."

The project was a cooperative partnership among the Missouri Botanical Garden, the Tennessee Department of Environment and Conservation, the U.S. Fish and Wildlife Service (USFWS), and the Stones River National Battlefield. It was funded by the USFWS.

Until *A. bibullatus* was rediscovered in 1979, it was thought to be extinct. Endemic to cedar glade habitats of central Missouri, the species is known from just three populations. If the new planting is successful, it will increase the chances for long-term survival of the species.

Left: closeup of *Astragalus bibullatus*, Pyne's ground plum. Below: Transplanting the tiny seedlings.

At left: Shannon Smith (right), MBG director of horticulture, visiting natural plant habitats with Ecuadorian colleagues

Developing a Botanical Garden in Ecuador

DR. SHANNON SMITH, director of horticulture at the Missouri Botanical Garden, visited Ecuador in February to consult with staff and volunteers at the new Quito Botanical Garden. Smith was invited through Dr. David Neill, a Missouri Botanical Garden curator based at the National Herbarium of Ecuador. Neill has been the Garden's resident research botanist in the country for the past 15 years.

Ecuador is one of the most biologically diverse regions in the world, and the new botanical garden will be a showcase for the beauty and diversity of the country's flora. During his three-week visit, Smith took several field trips into natural areas to study habitat plantings of some of Ecuador's most important species. He made recommendations for a landscaping master plan and presented ideas for education, staffing and financial development.

"The Quito Botanical Garden is under construction and already has a splendid new Orchid Conservatory," Smith said. "I was very pleased to be invited to consult on this wonderful 'living museum' that will benefit the people of Ecuador."

TIM PARKER

Ambassador of Madagascar Visits the Garden

Madagascar's Ambassador to the United States, Zina Andrianarivelo-Razafy, was a guest at the Henry Shaw Dinner on May 10. The Ambassador was in St. Louis to meet with St. Louis business leaders and with colleagues at the Garden, the Saint Louis Zoo, Washington University, and the University of Missouri-St. Louis. Botanists from the Garden have been doing research on the island of Madagascar since 1972. Shown at the Garden, from left: Dr. James Miller, head of MBG's Applied Research Department; Dr. Porter P. Lowry II, head of MBG's Africa and Madagascar Department; Ambassador Andrianarivelo-Razafy; Dr. Armand Randrianasolo of the MBG research division.

Volunteers

Volunteer Evening

ON JUNE 12, 2001, the Garden honored the nearly 1,200 men and women who give so generously of their time, expertise, and enthusiasm as volunteers each year. Volunteers serve in every department at the Garden and make it possible to provide exceptional services to the community. Volunteer Evening is an opportunity to recognize exceptional contributions by individual volunteers.

Peter Raven said, "Our Garden is a place where one can enjoy splendidly beautiful grounds, participate in a wide array of special events featuring other countries and cultures, and experience a heightened appreciation and understanding of the world's rich botanical heritage. All of these attractions are made possible with the support of our volunteers, and we thank you."

2001 Volunteer Awards

Extra Service Hours

Pat Patterson, Shaw Nature Reserve

Special Achievement

John Reiner, Master Gardener, Kemper Center

Career Service

Shirley Anton, Research Division

Commitment

Rudy Bodenschatz, Research Greenhouses

Organization

The Greater St. Louis Rose Society, Horticulture Division

MARY BUTKUS

Award winning volunteers (from left): John Reiner, Peter Raven, Pat Patterson, Rudy Bodenschatz.

MARY BUTKUS

Representing the Greater St. Louis Rose Society (from left): Janet Lemy, Mike McDonald, MBG rosarian Diane Brueckman, Peter Raven, Don Kemp, Myra South, Ruth Larson.

MARY BUTKUS

Jasmín Opisso (left) and Luz Stella Suárez

TIM PARKER

Fatima Mereles

Elizabeth E. Bascom Fellows Study at Garden

THE Elizabeth E. Bascom Fellowship in Botany for Latin American Women was established in Mrs. Bascom's memory in 1999. The program honors Elizabeth Bascom's dedication to the Garden's research and training programs in tropical botany.

Three graduate students studied at the Missouri Botanical Garden this spring. The 2000 Bascom Fellows were: Fatima Mereles, Paraguay; Jasmín Opisso, Peru; Luz Stella Suárez, Colombia.

Planned Giving

Jefferson Miller Is Named Chairman of the Bequest and Gift Advisory Council

JEFFERSON MILLER has been appointed by the Board of Trustees of the Garden to serve as chairman of the Bequest and Gift Advisory Council. Miller, who replaces trustee Carolyn Losos in this role, is an emeritus trustee, and along with his wife Dotty, has been a strong supporter of the Garden for many years.

"The Garden has always played an important role in the St. Louis community," said Mr. Miller. "I am particularly interested in the work that is being done in the area of conservation. Planned gifts are an essential component in carrying the Garden's mission into the future."

The Bequest and Gift Advisory Council was established in 1999 to help acquaint Garden members with the benefits of planned charitable donations and increase the Garden's visibility throughout the community. "Jeff's leadership and deep interest, as well as his personal commitment, are invaluable assets to this program," said Patty Arnold, director of development.

For information about ways that planned gifts can benefit both you and the Garden, Please call Judi Schraer, planned giving officer, at (314) 577-9455.

Gateway Center for Resource Efficiency

TIM PARKER

Planting the EarthWays Garden

Volunteers and staff from the Missouri Botanical Garden gathered in May to spruce up the garden at the EarthWays Home at 3617 Grandel Square in Grand Center. The EarthWays Home is the headquarters of the Gateway Center for Resource Efficiency, a new division of the Missouri Botanical Garden.

More than 400 hardy, low maintenance perennials, shrubs, and grasses were planted in the landscaped areas in front of the house. The plants, which include several Missouri native species, were donated by John McPheeters of Bowood Farms. McPheeters is a member of the Shaw Nature Reserve Committee of the Board of Trustees and a longtime supporter of the Garden.

Corporate Partners

Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year.

For more information, please contact Rachel Hartmann, corporate/foundation officer, at (314) 577-9513 or email: Rachel.Hartmann@mobot.org.

We would like to recognize the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

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Supporter

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D & K Healthcare Resources, Inc.

H.B.D. Contracting, Inc.

Insituform Technologies, Inc.

Laclede Gas Company

Tubular Steel Inc.

TIM PARKER

Henry Shaw Medal Presented to Calestous Juma

The Henry Shaw Medal, the Garden's highest award, was presented to Calestous Juma of Harvard University during the Henry Shaw Dinner on May 10, 2001. Dr. Juma is one of the world's leading authorities on protecting the environment while promoting ethical, sustainable development in developing countries. He is shown here at right, being congratulated by Jack Thomas of the Garden's Board of Trustees.

TRIBUTES

MARCH – APRIL 2001

IN HONOR OF

For information on making a gift to the Tribute Fund, please call the Development Office at (314) 577-5120.

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continued on page 20

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continued from page 19

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continued on page 22

Handcrafted Gifts at the Garden

Right: Elegant ceramics created by local artists affiliated with the Craft Alliance in St. Louis..

Below: Delightful, handmade figures and candleholders from artists in Zimbabwe.

From gardening books to garden accessories, you will find only the finest gifts at the Garden Gate Shop. Experience personalized shopping, custom gift selections, and exclusive gifts from all over the world.

The Garden Gate Shop is open 9 a.m. to 5:30 p.m. daily for your shopping convenience.

Lots of Gifts under $25!

Garden Gate Shop

Missouri Botanical Garden
4344 Shaw Boulevard
(314) 577-5137

All proceeds from the Garden Gate Shop benefit the Missouri Botanical Garden.

See the World

PHOTOS BY TRENT FOLTZ

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continued from page 20

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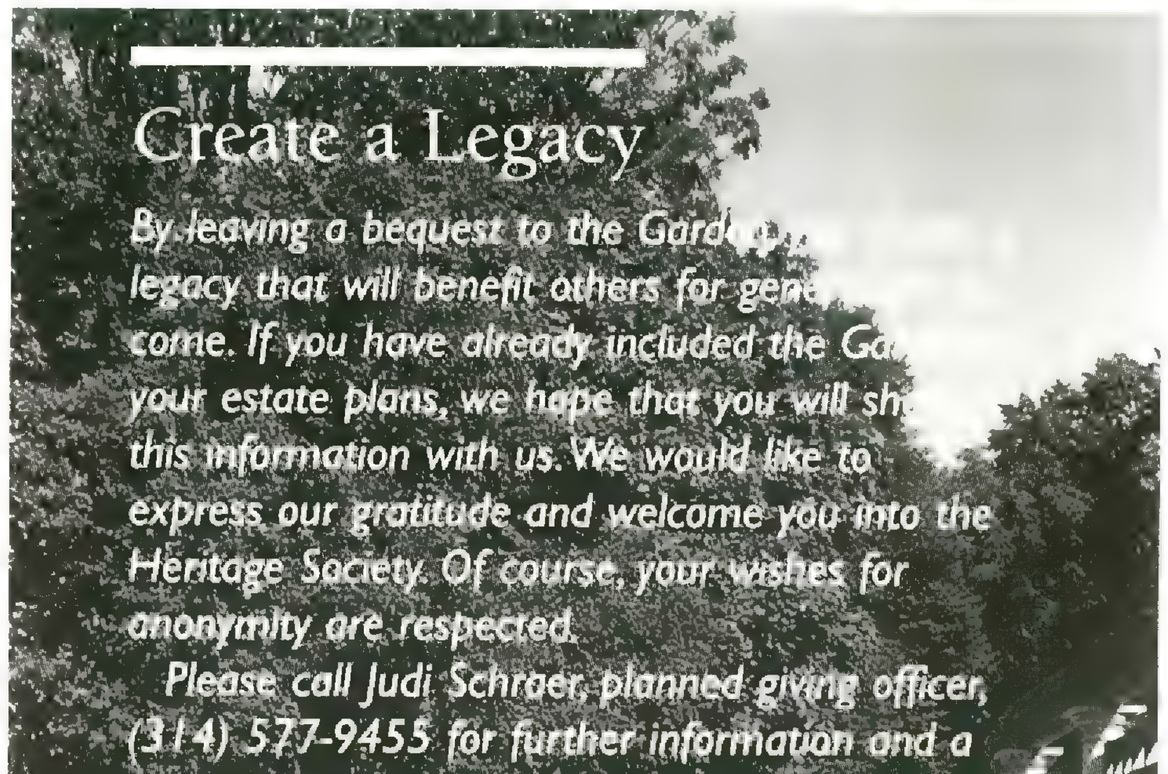
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By leaving a bequest to the Garden, you create a legacy that will benefit others for generations to come. If you have already included the Garden in your estate plans, we hope that you will share this information with us. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected.
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continued on page 23

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Inside This Issue

2.
CHAPUNGU
Special events throughout the exhibition.

5.
JACK THOMAS IS NEW PRESIDENT OF THE BOARD
Brauer, Hermann, Morse and Stern are honored.

6.
30 YEARS OF SERVICE
Peter Raven celebrates his 30th anniversary as director of the Garden.

8.
HOME GARDENING
Plant Doctors, plus the current Directory of Regional Plant Societies.

11.
CALENDAR OF EVENTS
"Journey Into Africa" Breakfasts, "Meet the Artists" Luncheons, and Members' Days

15.
NEWS OF THE MEMBERS
The Herb Society celebrates their 60th anniversary.

16.
NEWS OF NOTE
An endangered species returns to the wild; a new botanical garden in Ecuador.

17.
VOLUNTEER EVENING
Our annual tribute to outstanding individuals.

18.
PLANNED GIVING
Jefferson Miller is head of Bequest Council

japanese festival 2001

LABOR DAY WEEKEND • *See page 14*

Missouri Botanical Garden BULLETIN (ISSN 0026-6507)
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See the World

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Missouri Botanical Garden

See the World

SEPTEMBER / OCTOBER 2001

The Sophia M. Sachs Butterfly House Joins the Garden

See page 5

VOLUME LXXXIX
NUMBER FIVE

10th Anniversary

Best of Missouri Market

Saturday & Sunday, October 6 & 7, 2001 • 9 a.m. to 5 p.m.

Market Admission: $2 members, $7 adults, $5 seniors age 65 and over, children 12 and under free.

Sponsored by:

The Home Depot • Whole Foods Market • Coca-Cola • Commerce Bank
Clifford Willard Gaylord Foundation • Ralston Purina Company • KMOX

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Hand-woven Baskets
Wooden Toys
Folk Art
Handmade Soaps
Clay Animal Flutes
Shadow Boxes
Dried Floral Designs
Theorem Paintings
Birdhouses
Botanical Art
Jewelry

Food Court

Smoked Sausages
Grilled Chicken
Pork Sandwiches
Roasted Nuts
Shiitake Mushrooms
BBQ

Foods & Produce

Breads
Candies
Cider • Fruits
Homemade Pies
Meats • Sausages
Preserves • Relishes
Salad Dressings
Sauces & Salsas
Sodas • Wines
& Much More!

Entertainment

The Missourians with Vesta Johnson
Raven Moon
High School Musicians

Cooking Demonstrations

Saturday: Straubs
11 a.m. and 1 p.m.
Sunday: Whole Foods Market
1 p.m.

Garden Gate Shop

Meet the authors of some of Missouri's best books and sample cookbook recipes.

Kids' Corner

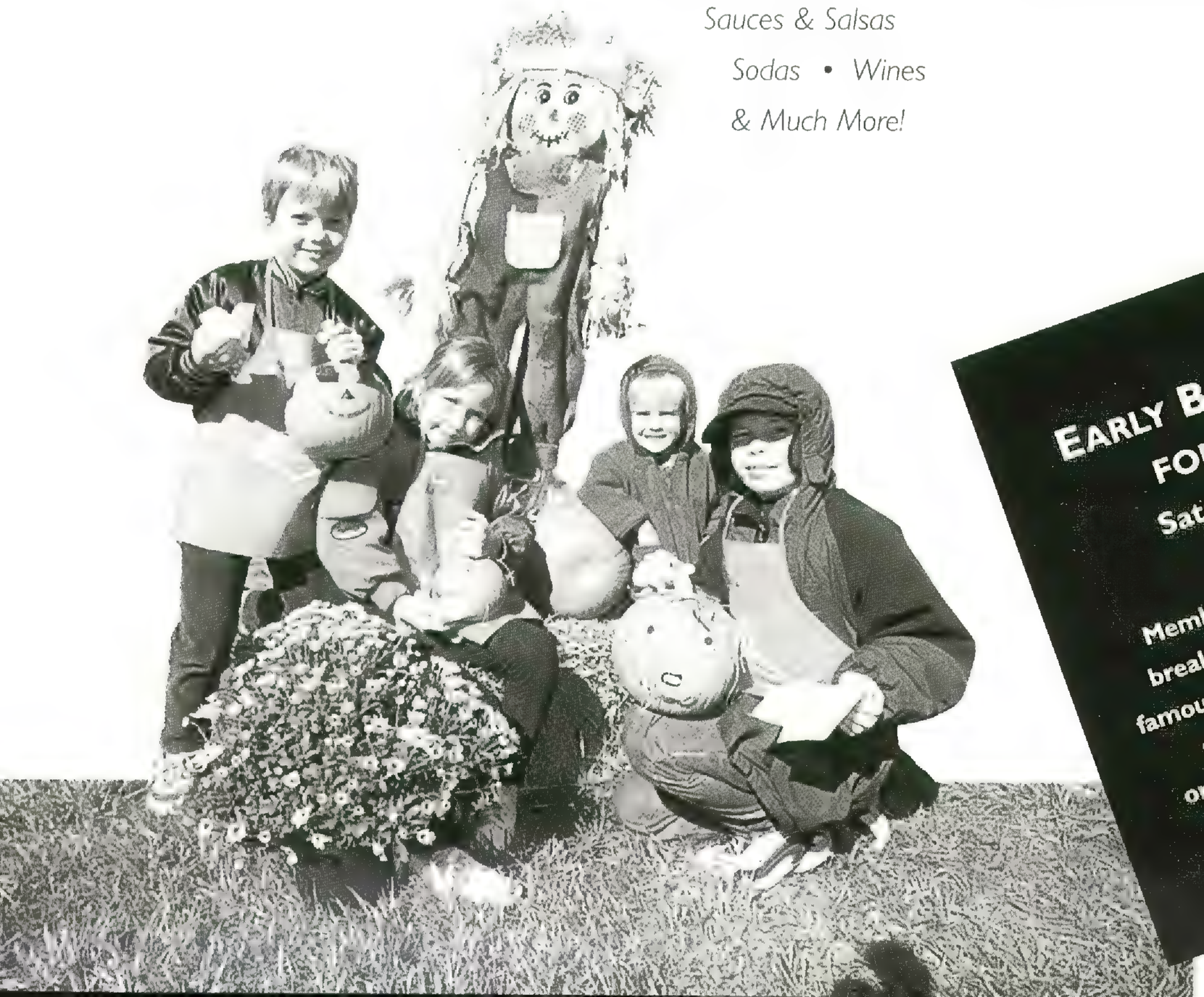
9 a.m. to 5 p.m. daily

The Home Depot Kids' Workshop
Pumpkin Decorating
Cow Milking
Apple Cider Making
Humane Society of Missouri
Whole Foods Market
Root Beer, Kettle Korn
Games & Entertainment
Face Painting
(at selected times)

Entrances

Enter at Spink Pavilion on Tower Grove Avenue or at the main entrance at 4344 Shaw, where there will be direct access to the vendors area from the parking lot. Additional parking at Mullanphy School at 4221 Shaw and in Tower Grove Park. Shuttle runs continuously between Mullanphy School and the Garden.

Or, arrange a car pool, or take MetroLink and the Garden Express bus.



Early Bird Shopping for Members

Saturday, October 6
7 to 9 a.m.

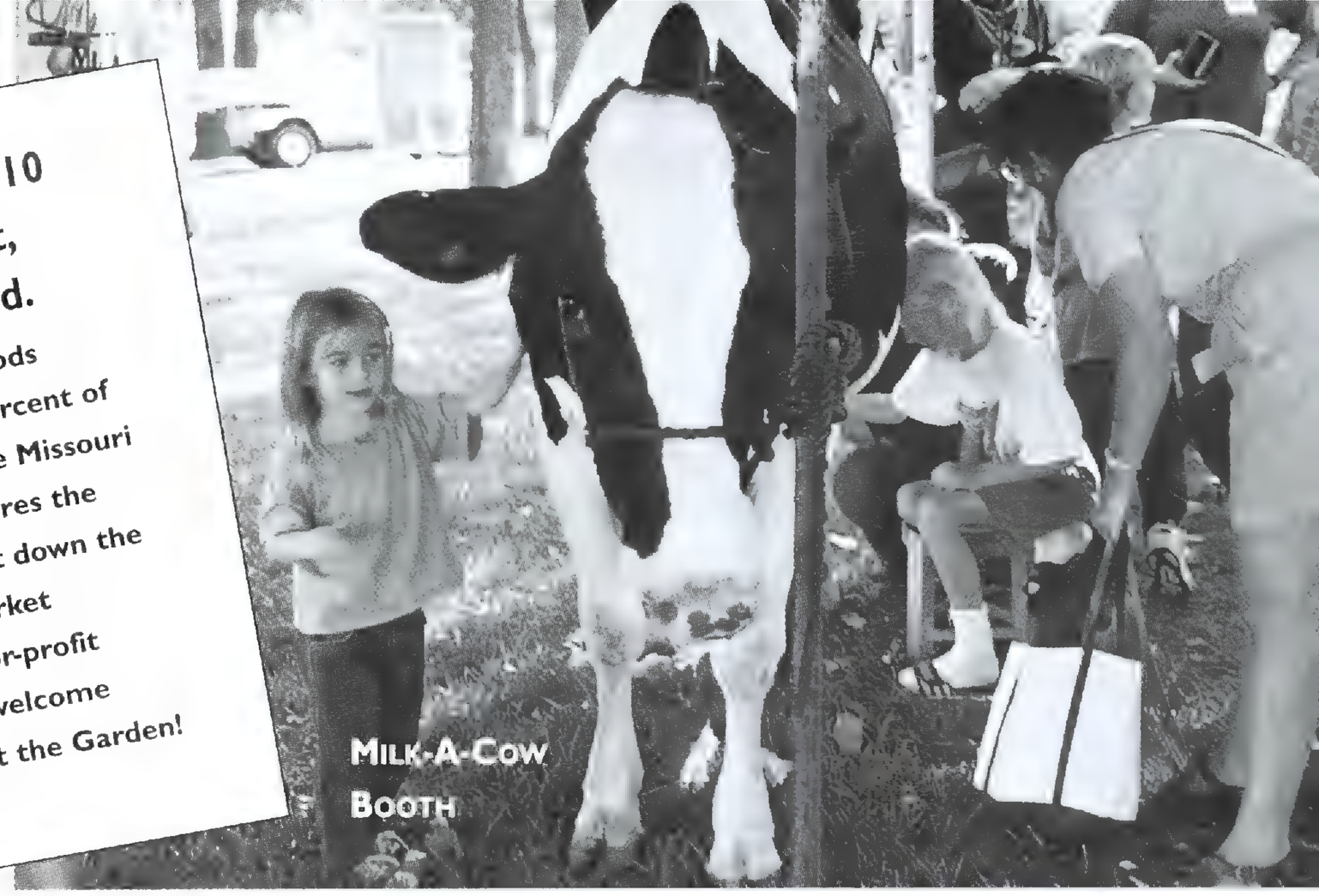
Members enjoy a complimentary breakfast of Krispy Kreme's world-famous melt-in-your-mouth doughnuts, delicious Ronnoco Coffee, and orange juice courtesy of Coca-Cola. Come early for best selection!

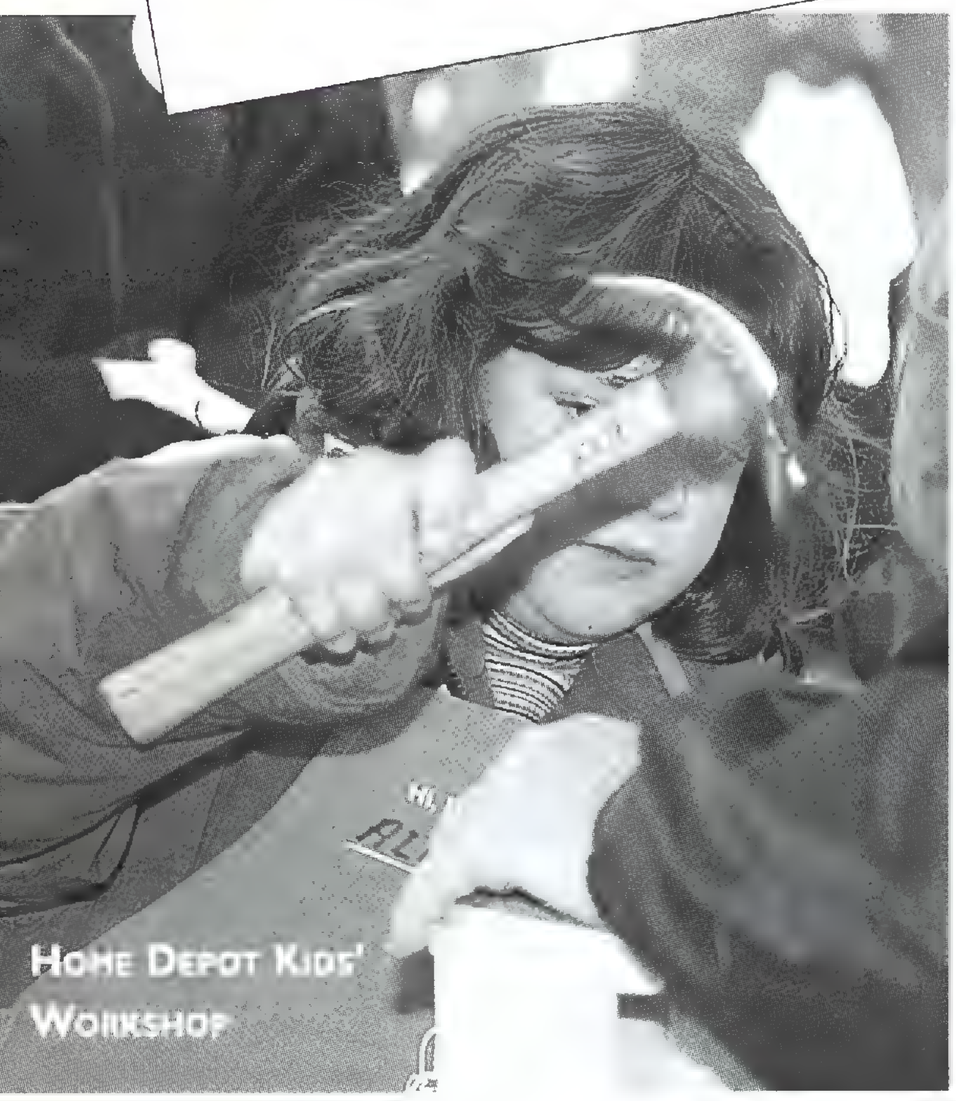
5% day

WHOLE FOODS MARKET

Wednesday, October 10
Whole Foods Market,
1601 Brentwood Blvd.

On October 10, Whole Foods Market will donate five percent of its sales for the day to the Missouri Botanical Garden. The brand new supermarket features the highest quality natural foods at affordable prices, just down the street from the St. Louis Galleria. Whole Foods Market contributes five percent of its annual sales to not-for-profit organizations in the community. On October 10, welcome Whole Foods Market to St. Louis and help support the Garden!


Milk-A-Cow Booth


Home Depot Kids' Workshop

Over 100 Vendors

Foods & Produce

Pumpkin Decorating

And Don't Miss –

The 9th Annual Historic Shaw Art Fair

October 6 & 7, 10 a.m. to 5 p.m.

Admission: $4 adults, children under 14 free when accompanied by an adult.

An outstanding juried show in all media, presented by the Shaw Neighborhood Improvement Association on historic Flora Place across Tower Grove Avenue from the Garden.

Handmade Crafts

PHOTOGRAPHS BY TIM PARKER

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.

Like many children, I was enthralled by butterflies — by their beauty, but also their elegant and essential role in preserving the balance of life on Earth. On behalf of all of us, I am absolutely delighted to welcome the Sophia M. Sachs Butterfly House & Education Center to the Garden.

In just three short years, the Butterfly House has achieved a national reputation for the excellence of its design, operations, and educational programs. This extraordinary achievement would not have been possible without the vision and leadership of its founder, Evelyn E. Newman. Mrs. Newman is well known to St. Louisans as the guiding force behind many of the events and institutions that have made our city such a wonderful place to live. We are very proud that the Butterfly House has joined the Garden's family and we are delighted to welcome Mrs. Newman, Lucy Lopata, and Joseph Shaughnessy to our Board of Trustees. (See page 18.)

As the Garden grows, we also have our historic buildings and grounds to care for. With much of the Garden lacking inground irrigation, this summer's exceptionally hot weather was a special challenge for the Horticulture Division. I would like to commend the staff for their skill and labor in hauling hoses to water our acres of display plantings, keeping them beautiful despite the heat. In addition, the General Services Division has made exceptional progress with our strategic initiative to support and maintain our aging infrastructure, from installing the new elevator in the Shoenberg Administration Building to planning and beginning replacement of the roof on Tower Grove House.

On page 13 we salute two extraordinary volunteers, Nora Stern and Ellen Dubinsky, who founded the Best of Missouri Market and have guided its success for the past decade. Please join us October 6 and 7 as we celebrate the tenth anniversary of this popular annual event.

— Peter H. Raven, Director

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Garden Hours:
9 a.m. to 5 p.m. every day except Christmas; 9 a.m. to 8 p.m. on Mondays Memorial Day through Labor Day.
Grounds open 7 a.m. Wed. & Sat.

Shaw Nature Reserve:
(636) 451-3512 (toll free from St. Louis)

24-Hour Information:
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Or call 1-800-642-8842.

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On the Cover
Interior of the conservatory at the Sophia M. Sachs Butterfly House & Education Center, where more than 1,000 butterflies are on display in free flight. – Photo by Joe Norton, butterfly photos by Mark Wheeling.

Editor
Susan Wooleyhan Caine

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The BULLETIN is sent to every member of the Garden as a benefit of membership. For a contribution of as little as $55 per year, members also are entitled to: free admission to the Garden, Shaw Nature Reserve, and Tower Grove House; invitations to special events and receptions; announcements of all lectures and classes; discounts in the Garden Gate Shop and course fees; and the opportunity for travel, domestic and abroad, with other members. For information, call (314) 577-5118.

Postmaster: Please send address changes to: Bulletin, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166-0299.

TIM PARKER

Shown at the announcement ceremony June 20, 2001, in the Native Habitat display at the Butterfly House (from left): George R. "Buzz" Westfall, St. Louis county executive and ex officio trustee of the Garden; Evelyn E. Newman; Peter H. Raven; Jack E. Thomas, president of the Board of Trustees of the Garden; and Joe Norton, director of the Butterfly House.

The Butterfly House officially became a new division of the Missouri Botanical Garden on July 2, 2001.

Sophia M. Sachs Butterfly House & Education Center

OVER A THOUSAND VIVID TROPICAL BUTTERFLIES in free flight delight 250,000 visitors annually at the Butterfly House, located in Faust Park in Chesterfield in St. Louis County. The Butterfly House, which opened in 1998, includes a magnificent 8,000-square-foot conservatory, an outdoor Native Habitat for native and migratory butterflies, a theatre, classroom, gift shop, reference library, displays, and special exhibits throughout the year. About 25,000 children take classes at the Butterfly House each year.

Peter H. Raven said, "This inspiring display of butterflies and their role in preserving Earth's environmental balance is a superb complement to the Garden's programs in botanical research and science education. We are delighted to extend our outreach to West St. Louis County, which will benefit people everywhere through an enhanced appreciation of nature."

Evelyn E. Newman,* founder and president of the Butterfly House, said, "In the less than three years since the Butterfly House opened, it has distinguished itself as a major St. Louis attraction and one of the premiere butterfly houses in the nation. Joining with the Garden will strengthen our scientific and education programs and secure the future of our institution. We are delighted to be part of the Garden, an institution we admire and hope to emulate in excellence, reputation, and service to the world."

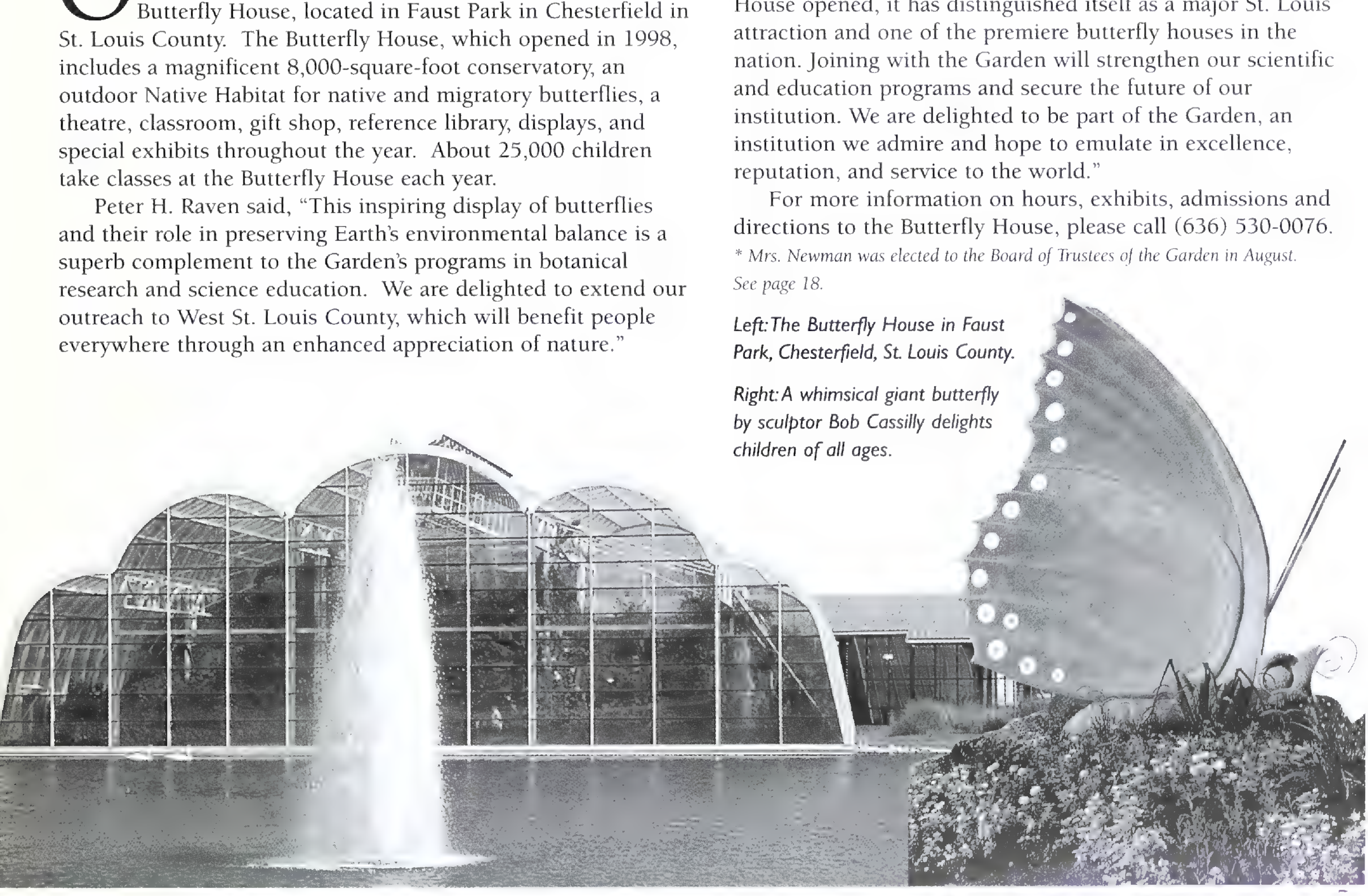
For more information on hours, exhibits, admissions and directions to the Butterfly House, please call (636) 530-0076.

** Mrs. Newman was elected to the Board of Trustees of the Garden in August.*

See page 18.

Left: The Butterfly House in Faust Park, Chesterfield, St. Louis County.

Right: A whimsical giant butterfly by sculptor Bob Cassilly delights children of all ages.



Planned Giving

Donor Profile:
Glenna Udre

SYNONYMS for philanthropy include compassion, generosity and humanity. Glenna Udre is, in every sense of the word, a philanthropist who shares her financial resources, time and expertise to help others.

Glenna has been a friend of the Garden for nearly 70 years. "In the 1930s, my sister and I were teachers in Granite City, Illinois. The factories at that time generated a tremendous amount of soot, and we would come to the Garden for an afternoon of fresh air!" Today she is particularly interested in the Garden's programs in education and conservation.

Glenna contributes her time and talents to many organizations. At the Historical Society in Troy, Missouri, she has transformed a neglected yard into a beautiful landscape called "Glenna's Garden." She works on behalf of children as a volunteer with area social service agencies, in the local schools and Head Start program, as a mentor to individual children, and as a benefactor of numerous scholarships.

Last year Glenna made a generous commitment to the Garden through a Charitable Gift Annuity, which will provide current income to her and then vital support for the Garden. By funding the gift with appreciated securities, she receives an attractive return and tax advantages. Her planned gift is part of her commitment to making her community and the world a better place.

If you would like more information on how Charitable Gift Annuities can benefit you, please call Judi Schraer, planned giving officer, at (314) 577-9455, or email judi.schraer@mobot.org. Of course all inquiries are confidential and without obligation.

Corporate Partners

Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year. For more information, please contact Rachel Hartmann, corporate/foundation officer, at (314) 577-9513 or email: Rachel.Hartmann@mobot.org.

We would like to thank the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

SHAREHOLDER

Maritz Inc.

UNDERWRITER

Graybar Electric Company, Inc.

SUPPORTER

Catering St. Louis, Inc.

The Koman Group

McCarthy Building Companies, Inc.

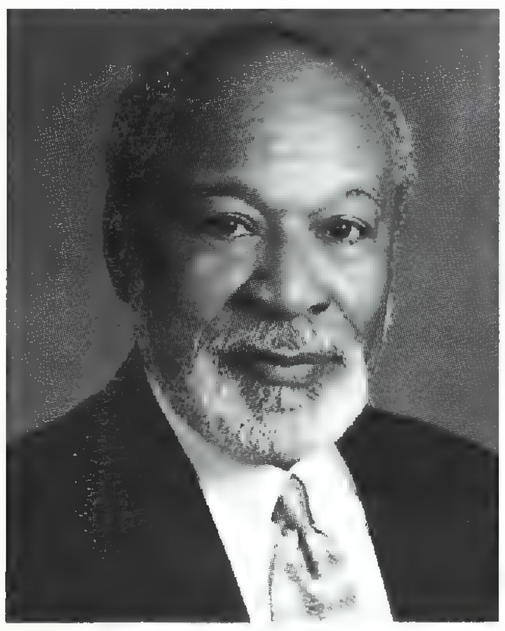
Nooter Corporation

Premcor, Inc.

Stone Carlie & Company

TIAA-CREF Trust Company

New Director of Education



LUTHER S. WILLIAMS, PH.D., one of the nation's foremost experts on science and mathematics education, joined the Garden on August 1, 2001, as Director of Education and Interpretation and Senior Advisor to the Director of the Garden. Dr. Williams is a former Assistant Director of Education and Human Resources for the National Science Foundation.

Peter Raven said, "We are extremely pleased and proud to have Dr. Williams join the senior staff of the Garden. His distinguished career as a scientist, educator, and administrator will help us contribute to revitalized science education throughout the St. Louis region and nationally."

Dr. Williams has served as a professor, dean, or president at several academic institutions, including Purdue University, Massachusetts Institute of Technology, and Washington University, where he was Professor of Biology and Dean of the Graduate School from 1980 to 1983. Prior to joining the Garden, he was a visiting scholar at the Payson Center for International Development and Technology Transfer at Tulane University and Senior Vice President for Strategic Planning, Bingwa Software Company. He holds a Ph.D. in microbial physiology from Purdue.

Williams said, "It is essential to evaluate our programs according to rigorous standards, to demand excellence and measurable results. I am excited about the opportunity to build on the Garden's already fine programs in teacher training and environmental education. Our goal is to achieve the kind of national leadership in science education that the Garden already has in botanical research and conservation."

The Garden's Education Division provides education in natural and environmental science to more than 100,000 children from pre-school through high school, with programs at the Garden, Shaw Nature Reserve, and Litzsinger Road Ecology Center. The Garden offers professional development training to more than 2,000 elementary and middle school science teachers annually.

A Rare New Conifer Is Discovered in Vietnam

WHEN a team of botanists including Nguyen Tien Hiep and Phan Ke Loc, Russian botanist Leonid Averyanov, Garden botanists Daniel Harder, George Schatz, and Sharon Bodine, and a group of colleagues struggled up a steep limestone ridge in northern Vietnam last year, they made an extraordinary discovery — a conifer previously unknown to science. The trees resemble the yellow spruce of the U.S. Pacific Northwest, but the two plants have been classified as an entirely new genus of gymnosperms, a group that includes pines and spruces.

New genus is a landmark discovery.

"Discovering a new gymnosperm is extremely rare and very exciting," said Harder, at that time the Garden's resident botanist in Vietnam. "The world's leading taxonomic specialist, Aljos Farjon of the Royal Botanic Gardens, Kew, had never been involved in describing one in his 25-year career."

The new conifer produces fine, yellow brown, hard, fragrant timber of superb quality, and many of the largest and oldest trees have been logged in recent years. The new species is restricted to a very limited area in the mountains of northern Vietnam which supports many narrow habitats with unique plant communities, all of which are threatened by exploitation.

"This discovery came directly from our botanical research, which works to support local conservation efforts," said Harder. "Many rare plants grow in very limited areas, and our work helps to establish conservation priorities."

The official scientific description of the new genus will be published this winter by the Garden in its journal *Novon*. A paper on the habitat and associated species will be published in the *Annals of the Missouri Botanical Garden*. The Garden is completing studies of biological diversity in Vietnam in collaboration with the American Museum of Natural History in New York, with support from the National Science Foundation. The field work is co-sponsored by the National Geographic Society.

At left: Daniel K. Harder, associate curator at the Garden and former resident botanist in Vietnam.

ILLUSTRATION BY ALJOS FARJON

Home Gardening

By Scott Woodbury

I USED TO LIVE in the heart of corn country in northern Illinois, where fresh ploughed earth is like dark chocolate and corn really does grow as high as an elephant's eye. I thought that soil was the secret to growing healthy and robust plants, and each spring I tilled compost and manure into the dirt in anticipation of rhubarb leaves the size of tractor tires. My carrots, onions, roses, and blazing stars were the envy of the neighborhood.

Then I moved to Missouri.

Today I live near the foothills of the Ozarks, where I am surrounded by forests of white oak and shagbark hickory, with dry soil that seems to produce mostly rocks and gravel. I first discovered this while digging a post hole for my hammock. Sparks flew and my arms shivered with every thrust against the rocky ground. My first rhubarb had leaves the size of cow pies.

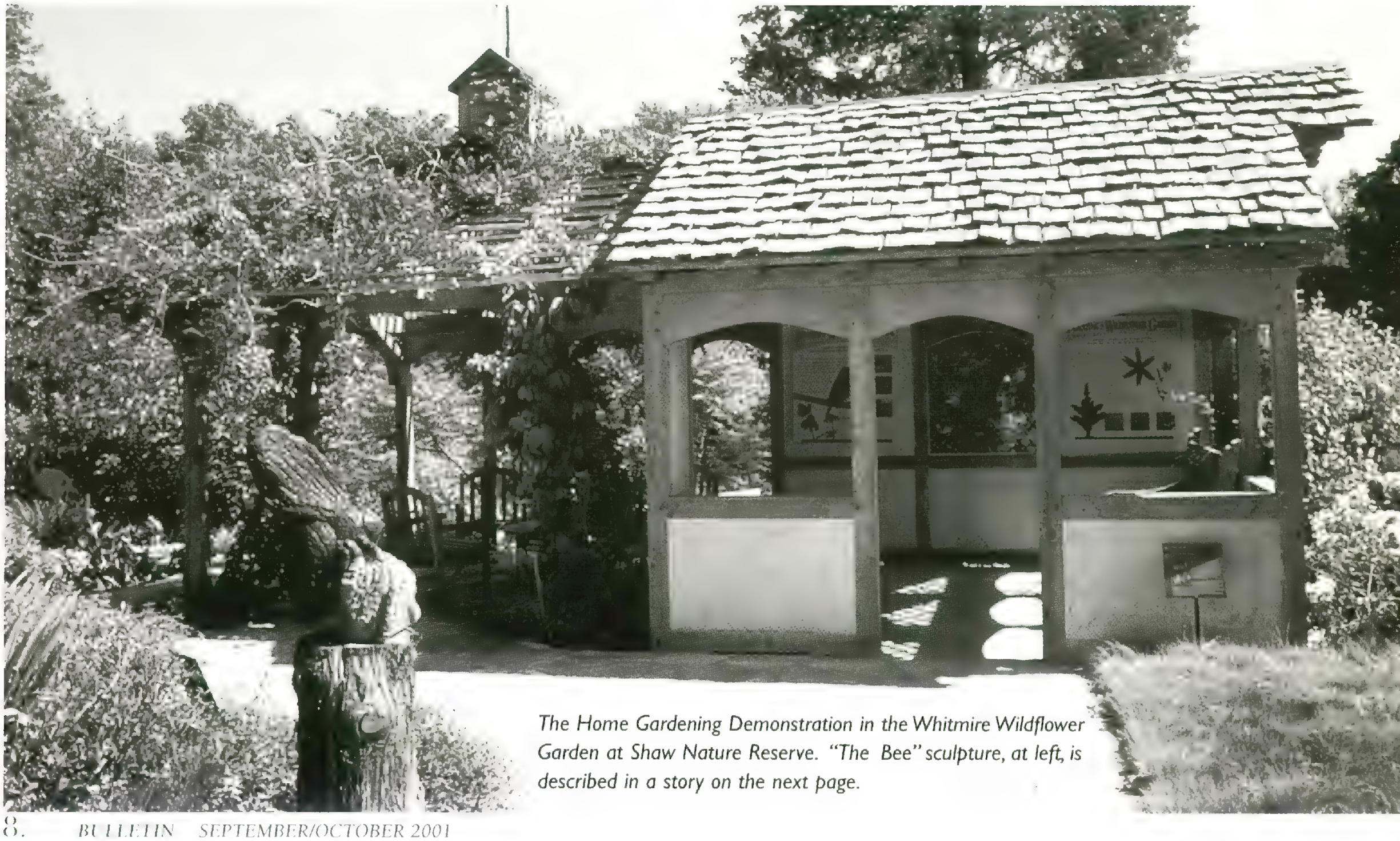
Nevertheless, I kept trying. I planted my old favorites, including cottage pinks, *Dianthus* sp., Stella d'oro daylilies, *Hemerocallis* sp., cabbage roses, *Rosa* hybrids, bugleweed, *Ajuga* sp., hardy mums, *Chrysanthemum* hybrids, and 'Moulin Rouge' lilies, *Lilium* hybrids. All arrived in healthy condition and they all died within a few years.

Others plants, however, survived, and they all turned out to be native wildflowers. They included a blue-flowering daisy called fragrant-leaved aster, *Aster oblongifolius*, which has been flowering every autumn, and a pasture rose, *Rosa carolina*, that has sweetly scented pink flowers in spring and bright red rose hips in the fall and winter. Bluebirds devour those rose hips on snowy winter days when food is scarce. I also have yellow sunflowers, *Heliopsis helianthoides* 'Summer Sun', and purple ironweed, *Vernonia baldwinii*, which bloom together in late summer and attract seed-hungry goldfinches.

Why have these plants done so well? I think it's because they are truly "locals" and have adapted over the years to our hot Missouri summers and fickle winters. They grow naturally here. I see them when I go for hikes at Shaw Nature Reserve. I look for them to bloom along the roadsides in spring and when they

WILD & **WONDERFUL**

JACK JENNINGS



The Home Gardening Demonstration in the Whitmire Wildflower Garden at Shaw Nature Reserve. "The Bee" sculpture, at left, is described in a story on the next page.

turn red and orange in fall. They grow in bad soil because they are used to it. They even prefer it. Just like the many generations of Ozark families who wouldn't trade their home in the hills for anything.

I'm beginning to understand that bad soil isn't so bad after all. There are many species of plants that thrive in our dry, rocky soil, like orange butterflyweed, *Asclepias tuberosa*, lance-leaved coreopsis, *Coreopsis lanceolata*, and the graceful pale purple coneflower, *Echinacea simulata*, all plants that I see growing naturally along the roadsides of Franklin County.

A good place to learn more about gardening with native plants is the Home Gardening Demonstration in the Whitmire Wildflower Garden at Shaw Nature Reserve. We have five backyard-size gardens planted with a wide variety of useful and showy native plants. You will find a water garden, a woodland display, native perennials, a rock garden, a prairie garden, and an Osage garden featuring plants grown by the Native Americans who once lived in this region.

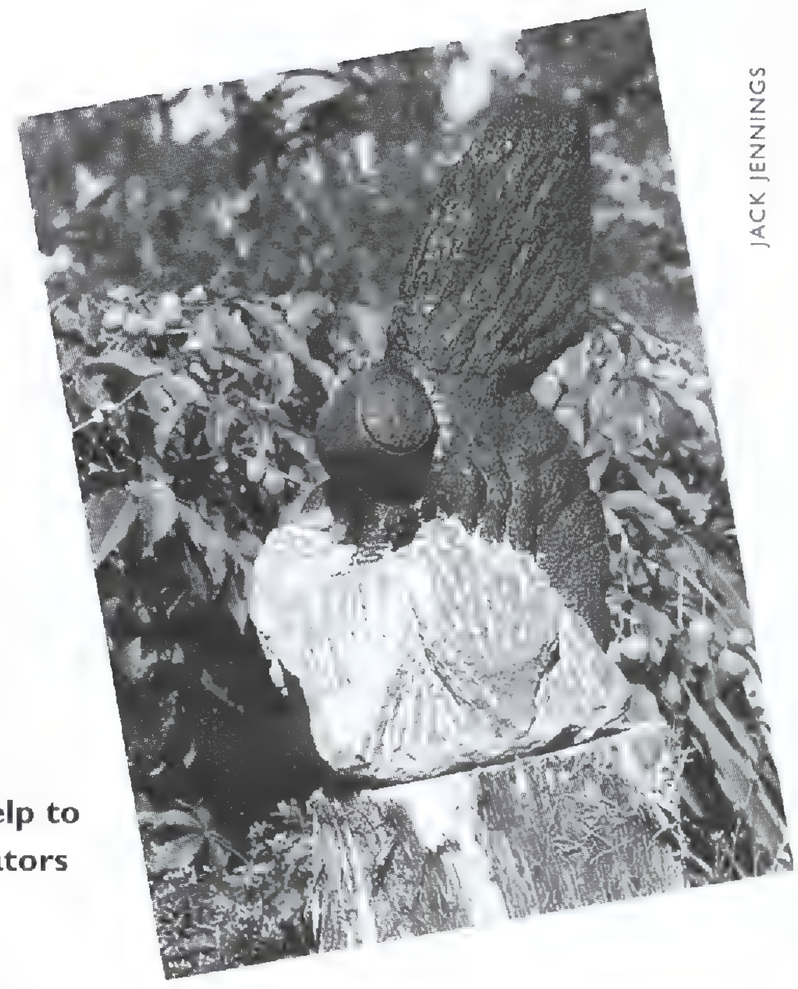
By gardening with wildflowers, you can take an active part in restoring the land to health. You will use a lot less fertilizer, pesticides, and water, and you'll produce a beautiful garden alive with a balance of beneficial insects, birds, and amphibians.

Scott Woodbury is a horticulturist at Shaw Nature Reserve, where he has been developing the Whitmire Wildflower Garden for the past nine years. The Whitmire Wildflower Garden is a five-acre display of Missouri plant communities, including prairie, savanna, glade, woodland, and wetland.

Scott earned a bachelor's degree in horticulture from University of Wisconsin-Madison and has worked at several public gardens, including Old Westbury Gardens in New York, Longwood Gardens in Pennsylvania, Castello Di Uzzano in Florence, Italy, and Tudor Palace in Washington, D.C. He is president of the St. Louis Chapter of Wild Ones, a non-profit organization dedicated to promoting biodiversity and environmentally sound gardening practices using native plants.

Chapungu Sculpture in Whitmire Wildflower Garden

"The Bee"



JACK JENNINGS

"The Bee," a springstone sculpture by Colleen Madamombe, has been donated to the Whitmire Wildflower Garden at Shaw Nature Reserve. Madamombe, a sculptor from Zimbabwe, has several large works at the Garden as part of the "Chapungu" exhibition, including "Dancing Woman," "The Birth," and "Growing Well."

"The Bee" was created in 1993 and was installed this summer in the Home Gardening Demonstration area. Bees help to maintain the balance of nature as pollinators of many plants, making this sculpture particularly appropriate for its setting.

Colleen Madamombe was born in 1964 in Harare, Zimbabwe. She has won the Best Female Artist of Zimbabwe award for the past three consecutive years and is considered among the country's finest new talents.

Volunteers

An early picture of Lee Ortmeyer, Al Mulleck, and Jim Horn (left to right). Today, the three friends volunteer together at the Garden.

Friends of the Garden

Three lifelong friends give new meaning to the term "Friends of the Garden." Lee Ortmeyer, Al Mulleck, and Jim Horn all grew up together in the neighborhood surrounding the Missouri Botanical Garden. They have known each other since grade school and have remained friends all their lives.

Today, more than sixty years later, the three friends are working together in the English Woodland Garden. Barb Hamilton, horticulture supervisor, says, "Lee, Al, and Jim have loved the Garden all their lives, and it shows in the care and skill they bring to their work here. We are lucky to have them!"

Volunteers Needed for Master Ecologists

Master Ecologists are volunteer docents who assist staff with education programs at Litzsinger Road Ecology Center, a field science and research site in St. Louis County which is managed by the Garden. Training for new Master Ecologists will begin October 15, 2001. There are 12 training sessions on ecology, teaching techniques, and LREC curriculum. For more information, please call Celeste Prussia at (314) 577-5117, or email celeste.prussia@mobot.org. Deadline for applications is October 1, 2001.

Gateway Center for Resource Efficiency

"Greening the Garden"

A MAJOR NEW INITIATIVE led by the Gateway Center for Resource Efficiency is enhancing the Garden's recycling efforts. The Gateway Center became a division of the Garden last year and has its headquarters in the EarthWays Home in Grand Center. A task force with staff from each Garden division has been formed to assess resource consumption in each department and develop a comprehensive plan for new ways to recycle and save energy.

The Garden collects all office waste paper and sends it to be recycled into newsprint. Over 90 percent of corrugated cardboard is collected and recycled, as are containers of aluminum, steel, glass, and plastic. The Horticulture Division composts all yard waste.

"Garden staff have been recycling for years," said Jean Ponzi of the Gateway Center. "We particularly commend the staff of housekeeping, General Services, and Catering St. Louis for their exceptional commitment to recycling. Now we are building on those fine efforts by making our collection easier and more centralized and by sharing information on internal 'green' practices with all Garden departments."

Annual Party for Brick Donors

Members' Entry Court, William T. Kemper Center for Home Gardening
Monday, October 8, 2001 • 5 to 7 p.m.

Cocktails • Hors d'oeuvres • Live Music •

Trams will be available from Ridgway Center to the Kemper Center

Order Your Brick Today!

Don't be left out! Join in our festive annual celebration for donors who have given bricks in the Members' Entry Court at the Kemper Center since last year's party. All brick donations support the Missouri Botanical Garden.

* **Engraved Bricks $300 each**
* **Bronze Signature Bricks $1,000 each**
* **Up to 28 characters may be engraved on each clay brick. Names only, please. We cannot accommodate dates or sentiments.**

Payment may be made by cash, check, or MasterCard/Visa. Order forms are available at the Membership Services Desk in the Ridgway Center, at the William T. Kemper Center for Home Gardening, or you may call Kathleen Kellerstrass at (314) 577-0874.

Bricks ordered after September 14, 2001, cannot be installed in time for the party on October 8, but of course all donors are welcome to attend the party. Order your brick today!

Calendar of Events

Sept. & Oct.

"Baboon and Young," by Boira Mteki

Last chance! Chapungu exhibit runs through October 7

Enjoy 66 stone sculptures from Zimbabwe on display at the Garden, the largest exhibition of these extraordinary works of art ever shown in the United States.

Sculpture for Sale

At the Kemper Center for Home Gardening

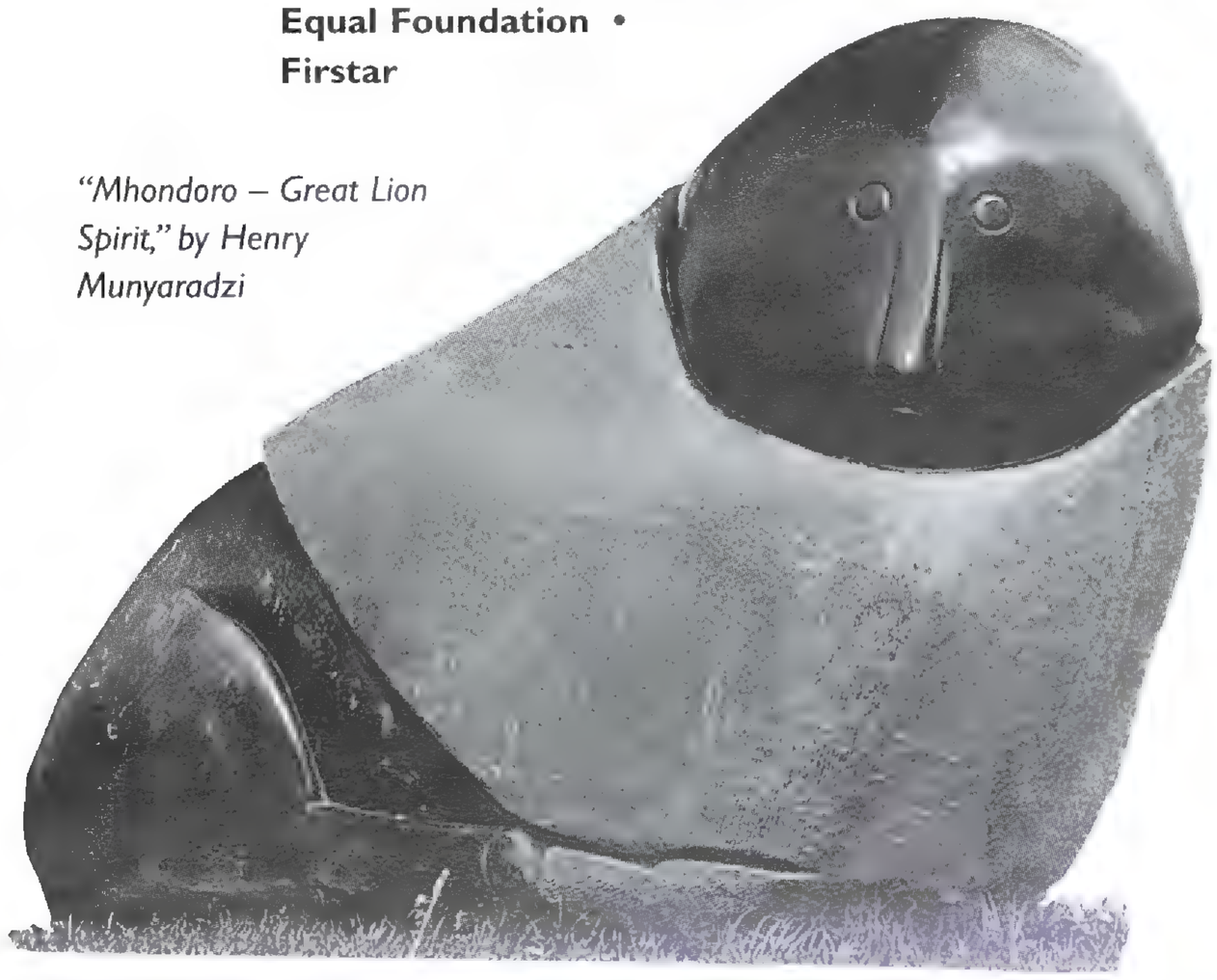
Sculpture by Chapungu artists is available for purchase daily throughout the exhibition.

Meet the Artists

Visit the tent behind the Climatron to watch sculptors at work.

The Chapungu exhibition is sponsored by:
EMERSON • WHITAKER FOUNDATION •
Charter Communications •
Enterprise Rent-a-Car Foundation •
Equal Foundation •
Firstar

"Leap Frog," by Dominic Benhura



"Mhondoro – Great Lion Spirit," by Henry Munyaradzi

September & October Events

September 1-3
Labor Day Weekend

25th Anniversary Japanese Festival

10 a.m. to 10 p.m. Saturday & Sunday, 10 a.m. to 5 p.m. Monday. Admission: $10 adults, $7 seniors, $3 members. Free to children age 12 and under. Call the Festival Hotline at 577-9400 or 1-800-642-8842 for information.

September 3 Monday

Summer Hours End

After today, the Garden is open 9 a.m. to 5 p.m. daily.

September 8 & 9
Saturday & Sunday

Gesneriad Show and Sale

9 a.m. to 5 p.m., Ridgway Center. Featuring the African violet family, presented by the Gateway West Gesneriad Society. Free with Garden admission or membership.

September 15 Saturday

Butterflies for Beginners

10 a.m. to noon. Presented by the St. Louis Chapter of the North American Butterfly Association and the Missouri Botanical Garden. Learn to identify common local butterflies and the plants they prefer on a walking tour from the Ridgway Center to the Butterfly Meadow at the Kemper Center for Home Gardening. For more information, call (314) 963-7750. Reservations are limited: please call (314) 577-9443. Free with Garden admission or membership.

September 22 & 23
Saturday & Sunday

Dahlia Society Show

Saturday: Noon to 5 p.m., Sunday: 9 a.m. to 5 p.m., Ridgway Center. Presented by the Dahlia Society of Greater St. Louis. Free with Garden admission or membership.

September 23 Sunday

Free Admission to All

In honor of Peter Raven's 30th anniversary as director of the Garden, admission is free to all visitors from 9 a.m. to 2 p.m. Garden grounds will close at 2 p.m., but Ridgway Center will remain open for the Dahlia Society Show.

September 29 Saturday

"Rhapsody in Bloom"

10 a.m. to 3 p.m. Light classical music at locations throughout the Garden. Presented in collaboration with KFUO-FM, Classic 99 radio. Free with admission or membership.

September 29 & 30
Saturday & Sunday

Gardeners of America Show and Sale

Saturday: Noon to 5 p.m., Sunday: 9 a.m. to 5 p.m., Ridgway Center. Free with admission or membership.

October 4 Thursday

5th Annual Conservation Forum

5 to 10 p.m., The Living World, Saint Louis Zoo. Presented by the International Center for Tropical Ecology at the University of Missouri-St. Louis, Missouri Botanical Garden, Saint Louis Zoo, Missouri Department of Conservation, and the Missouri Chapter of The Nature Conservancy. Keynote speakers are Dr. Jan Salick, curator of economic botany at the Garden, and Dr. Barry Chernoff, associate curator and head of fishes, Department of Zoology at the Field Museum, Chicago. Box suppers are available by advance reservation, $10 per person. Admission is free. Call (314) 516-5219 for information, registration, and supper reservations.

September 12 – 16 20% Discount for Members

Fall Plant and Bulb Sale

Wednesday: MEMBERS' "FIRST CHOICE" PREVIEW – 4 to 7:30 p.m.

Thursday: MEMBERS' PREVIEW DAY – 9 a.m. to 7 p.m.

Friday: Sale Opens to Public – 9 a.m. to 7 p.m.

Saturday & Sunday: 9 a.m. to 5 p.m.

The annual fall plant sale in the Garden Gate Shop features the finest plants, gifts, books, tools, and accessories with a 20 percent discount for Garden members on all merchandise, all five days. Free workshops with staff and local experts on a variety of gardening topics. Watch the mail for your flyer with a complete schedule.

September & October Events

10th Anniversary "Best of Missouri" Market

October 6 & 7
Saturday & Sunday

9 a.m. to 5 p.m. daily, with special Early Bird Shopping for members on Saturday, 7 to 9 a.m. Fun for the whole family as more than 100 artisans and vendors present the finest Missouri has to offer. Music, kids' activities, cooking demonstrations, and more. *See pages 2-3 for details.*

TIM PARKER

A decade ago, the "Best of Missouri" Market was the inspiration of Nora Stern (left), a Garden trustee and past president of the Members' Board. Nora and Ellen Dubinsky (right, also a past president of the Members' Board) have co-chaired the Market every year, and together they have made it one of the most popular and successful events at the Garden. We extend our admiration and appreciation to Nora and Ellen for their extraordinary partnership and achievement.

October 18 – November 14

"The Remains of Nature"

9 a.m. to 5 p.m., Ridgway Center. Exhibition of paintings, drawings, and pastels by Alexa Kleinbard, depicting environmental themes. Free with Garden admission or membership.

October 20 Saturday

Arts and Treasures of Latin America: "A Caribbean Holiday"

11 a.m. to 4 p.m., Ridgway Center. Fourth annual celebration of Latin American culture focuses on the Caribbean, featuring music, dance, and beautiful costumes from the islands, plus photography exhibits, crafts, souvenirs, and traditional Caribbean foods. Free with Garden admission or membership.

October 20 Saturday

Garden StoryTime

11 a.m., Garden Gate Shop. Meet Froggy, listen to the adventures in his new book, Froggy's Halloween, and receive a free official Froggy Halloween trick-or-treat bag. For ages 4 to 10. Parents and guardians are welcome to attend, and children under age 4 must be accompanied by an adult. All children's books are an additional 10% off during StoryTime. Free with Garden admission or membership.

October 25 Thursday

Helen Nash Lecture: "Water Gardening"

7 to 9 p.m., Ridgway Center. The St. Louis Water Gardening Society presents a slide lecture on pond construction by Helen Nash, noted speaker, author and editor of *Pond and Garden* magazine. A booksigning follows the lecture. Free with Garden admission or membership.

October 26 Friday

Rick Ernst Lecture: "Growing Irises"

7:30 p.m., Shoenberg Auditorium. The Greater St. Louis Iris Society presents a slide lecture by Rick Ernst of the world famous Cooley's Iris Gardens of Silverton, Oregon, one of the two largest growers of irises in the world. A question and answer period will follow the lecture. Free with Garden admission or membership.

October 27 & 28
Saturday & Sunday

Lily Society Sale

9 a.m. to 5 p.m. daily, Ridgway Center. Presented by the Mid-America Regional Lily Society. Free with Garden admission or membership.

October 27 & 28
Saturday & Sunday

Daffodil Society Sale

9 a.m. to 5 p.m. daily, Ridgway Center. Presented by the Greater St. Louis Daffodil Society. Free with Garden admission or membership.

Free EcoAdventures

Saturdays

11 a.m. to 3 p.m.

Brookings Interpretive Center

Free, walk-in, hands-on demonstrations for all ages are a fun way to learn about ecology and the environment. Free with Garden admission or membership.

September & October Events

September 6 Thursday
A Special Members' Event

Evening at Chapungu

5:30 to 7:30 p.m. Self-guided tours of the Chapungu exhibition. Garden Guides and docents will be on hand to answer questions. Trams will be available to the Kemper Center, where smaller stone sculptures by Chapungu artists are available for purchase. Garden Gate Shop will be open. Cash bar.

September 15 Saturday
Members' Day

Tree Talks and Walks

11 a.m. to noon, Shoenberg Auditorium. Join Celeste Prussia of the Education Division for a look at native trees of Missouri, then tour native trees on the grounds led by Garden Guides. In the Garden Gate Shop, members receive an extra five percent discount on all trees, shrubs, tree and shrub accessories, and books on trees and shrubs.

October 17 Wednesday
Members' Day

Journey to Germany

11 a.m. to noon, Shoenberg Auditorium. Enjoy a lecture by Joseph Simon of the German Cultural Society on "Cultural Influences of the German Community in St. Louis," followed by accordian music in the Strassenfest German Garden from noon to 1 p.m. Garden Guides will be on hand to answer questions. In the Garden Gate Shop, members receive an additional five percent discount on Halloween and Fall merchandise.

On Members' Days, members receive free tram rides, special discounts in the Garden Gate Shop, and 10% off in the Garden Café.

Free Walking Tours

Daily at 1 p.m. Meet at the Ticket Counter. Led by Garden Guides every day except during Japanese Festival and Best of Missouri Market.

Tower Grove House Tours

Daily between 9:45 a.m. and 4 p.m. Guided tours of Tower Grove House, Henry Shaw's 1850 country home. Tours are $2 adults, 50¢ children 12 and under, free to Garden members. The House is closed in January.

Garden Walkers' Breakfasts

Garden grounds open early on Wednesdays and Saturdays at 7 a.m. for outdoor walking. Continental breakfast is available for purchase in the Garden Café starting at 7 a.m.

Two Events to Benefit Tower Grove House

September 13 Thursday

Fall Fashion Preview at the Su-Ellen Shop

5 to 8 p.m. Join us for a lovely evening preview of fall fashions at the Su-Ellen Shop, 8119 Maryland Avenue in Clayton. The evening includes a fashion show, hors d'oeuvres, beverages, and music, sponsored by Tower Grove House Auxiliary. Tickets are $35 per person. Please call (314) 862-5050 for reservations.

October 22 & 29 2 Mondays

Holiday Shopping Spree

Join us for a day of holiday shopping and sightseeing and receive special discounts in the Garden Gate Shop and at a wonderful array of specialty shops around town. Shopping begins in the Garden Gate Shop at 9 a.m.; buses leave the Ridgway Center at 9:30 a.m. and return to the Garden at 4 p.m. Enjoy lunch at the Patio Place, where 32 decorated Christmas trees will be on display. Tickets are $45 per person, which includes bus transportation, lunch, and a tax deductible contribution to Tower Grove House. Sponsored by Tower Grove House Auxiliary. Please call (314) 577-9500 for reservations.

New MBG License Plate

Be among the first to show off the new Missouri Botanical Garden license plate! The State of Missouri has authorized a special automobile license plate featuring the Garden logo. We extend our appreciation to State Senator Patrick Dougherty of the 4th District, who sponsored the legislation.

For a contribution of $35, which supports the Garden, you will receive an Emblem Use Authorization Statement and Motor Vehicle Bureau application for a personalized plate, which you will take to your license branch. With a fee of $15 plus any registration fees, you may obtain an MBG specialty plate.

Mail your $35 check to Emma Lee Twitchell, Missouri Botanical Garden, Post Office Box 299, St. Louis, Missouri 63166-0299. Please note on your check that it is for the MBG license plate.

TIM PARKER

Shown at Antoinette's Jewelry during the "Garden of Gems" benefit last year are (from left) Anne Hizar and Cheri Fromm, 2000 co-chairs, and Susie Schulte, president of the Garden Members' Board.

SAVE THE DATE – Wednesday, October 24 • 5 to 7:30 p.m.

"A Garden of Gems"

Plan now to join us at Antoinette's Jewelry, 9793 Clayton Road in Ladue, for sparkling floral designs, beautiful creations, and a party to benefit the Missouri Botanical Garden. Enjoy cocktails, hors d'oeuvres, and drawings for jewelry valued up to $4,000. All proceeds benefit the GEMS program, "Great Explorations in Math and Science," at the Garden. Sponsored by Antoinette's Jewelry and the Missouri Botanical Garden. Tickets start at $30 per person. Please call for reservations by October 19 at (314) 577-9500.

Matching Gifts Benefit You and the Garden

Move up to a Contributing Plus Membership and Receive:

Free admission for up to ten guests with each visit, including special events

Four free tram tour tickets

For just $100, you receive a Contributing Plus membership at the Garden with outstanding special benefits in addition to all the benefits of regular membership.

And remember, company matching gifts can increase your membership level at no additional cost to you. For example, a memberhip contribution of $50 that is matched by your employer gives you a $100 Contributing Plus membership. Please check with your company's Human Resources or Community Relations office to see if your gift to the Garden qualifies for a match.

For more information on the benefits of upper levels of Garden membership, please call the Membership Office at (314) 577-5118.

Conservation & Sustainability

As a result of efforts by the Garden and its local colleagues, villagers in Peru are becoming aware of the importance of preserving their forests.

By Kathryn Hurlbert, Center for Conservation and Sustainable Development

IN THE ANDES of northern Peru, Garden botanist Rodolfo Vásquez and his colleagues drive several hours and cross a swift river to reach the remote villages of Crucero, Picorana, and Selva Andina. Their 4-wheel drive pickup goes across the river on a raft, and they cross in hand-pulled cable cars. If the roads are washed out on the other side, they travel by mule or on foot. The villages are the site of a training program in conservation and botanical research that the Garden began in 1999 with the support of the John D. and Catherine T. MacArthur Foundation.

This is primarily a coffee-growing area, where only patches of the original forest remain. Most of the residents are colonists from other provinces who have displaced the original inhabitants. In these areas, everyday activities determine what species are lost or saved. Education helps people understand that they can be stewards of the natural world around them.

Garden staff give informal talks on conserving natural resources, the effects of soil erosion on the land, the importance of planting native species of trees to restore the forest, and growing vegetables. They work with parents, teachers, and students to plant demonstration gardens, dig compost pits, and set up nurseries for cultivating native trees. The adults help with the heavy labor of preparing the ground for gardening and composting, and the children help by planting and caring for the garden plots. All the tools and techniques used to garden, prepare compost, and plant and care for seedlings in the nurseries are simple to make and use so that residents can be self-sufficient in the future.

The Garden's program has two parts. In the villages, Vásquez and colleagues Rocío Rojas, José Campos, Luis Campos, and Camilo Díaz teach adults new techniques for managing their household gardens and farm plots in a renewable way. Children learn basic concepts of conservation and plant ecology through hands-on gardening and simple workbooks prepared by the staff.

The Garden's program also serves Peruvian university students, who develop a research project from beginning to end and in the process learn how to do research under tough field conditions. Undergraduates who have completed their course work are able to do field work for their undergraduate thesis. All participants enter the program through a national competition.

The Garden has been helping university students in tropical countries for many years. It is important for a country like Peru, incredibly rich in plants and animals, to have its own professional scientists who can gather the scientific information

Garden researchers work with parents, children, and teachers to introduce techniques of sustainable agriculture.

The Garden encourages scientists and local communities to work together to manage biological resources for the benefit of all.

As a result of the Garden's programs, villages have established tree nurseries as a source of native species for reforestation and sustainable crops.

needed to make decisions about managing the country's natural resources. Since the current program began, a total of 20 undergraduates have completed internships and seven seniors have completed their thesis research. More students are participating in the field program in 2001.

As a result of efforts by the Garden and its local colleagues, villagers in Peru are becoming aware of the importance of preserving their forests. They are more enthusiastic about planting trees that are native to the area, instead of faster-growing exotic species such as eucalyptus, cypress, or pine. They are planting seedlings of fruit trees from the nurseries, mixing them in with other sustainable crops. In Selva Andina, residents and local authorities have declared the forests around their community off-limits for logging or burning.

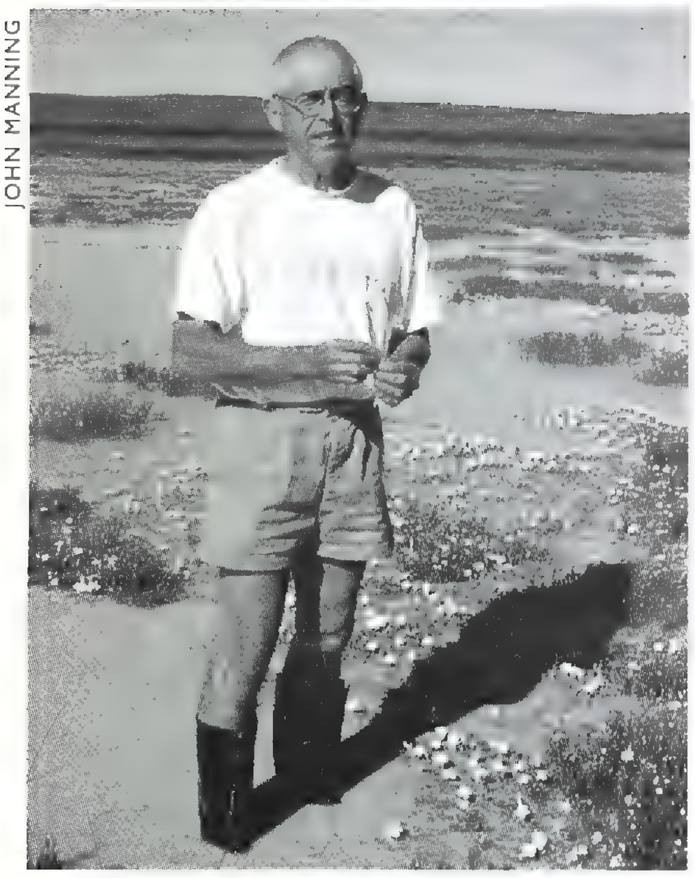
The Garden has an excellent staff in Peru and many years of experience in research and conservation there. Through these kinds of training programs in several tropical countries, the Garden helps to increase the number of local scientists and encourages awareness of the importance of protecting natural resources at the local level. Through its leadership, the Garden encourages scientists and local communities to work together to manage biological resources for the benefit of all.

Rodolfo Vásquez has been a research botanist with the Missouri Botanical Garden for more than 20 years. He heads the Garden's training program in Peru and is working on a flora, or a descriptive list, of the plants of the Cenepa River basin and surrounding area in northern Peru. Vásquez is the author of the Flórula de las Reservas Biológicas de Iquitos, Perú, *the first comprehensive description of plants written in Spanish for any area of the Amazonian lowlands (MBG Press, 1997).*

MARY BUTKUS

Research

JOHN MANNING



Peter Goldblatt, B. A. Krukoff Curator of African Botany, in the field.

New from MBG Press

Cape Plants: A Conspectus of the Cape Flora of South Africa

By Peter Goldblatt and John C. Manning

This is a major new work, a comprehensive description of one of the world's most botanically significant regions, by two highly respected biologists. Goldblatt, a native of Johannesburg, is the B.A. Krukoff Curator of African Botany at the Garden and has been associated with the Garden for more than 20 years.

Many authorities regard the Cape flora as one of the world's six floral kingdoms. In a region one-third the size of California and less than five percent of the area of the African continent, the Cape Region has over 9,000 species of vascular plants — about 20 percent of Africa's total species. The Cape Region also has an extraordinarily high rate of endemism, with about 70 percent of its species unique to the area.

This landmark volume is the first-ever flora to adopt the new, molecular-based system of family classification proposed by the Angiosperm Phylogeny Group in 1998. The flora also recognizes for the first time the six phytogeographic zones of the Cape Region. The richest zone, the Southwestern Center, alone has over 4,650 species, nearly the size of the entire California flora.

Co-published by the National Botanical Institute, South Africa, and the Missouri Botanical Garden, 2000

744 pp., illustrated, hardbound. $55.00. Available in the Garden Gate Shop or www.mobot.org/mbgpress.

Trustees

At the August 8 meeting of the Board of Trustees, The Honorable Carol E. Jackson was named a regular trustee and Lucius B. Morse III became an emeritus trustee. Evelyn Edison Newman was elected to the board as a term trustee, and Lucy Lopata and Joseph Shaughnessy were elected as emeritus trustees. Profiles of Mrs. Lopata and Mr. Shaughnessy will appear in the next issue of the Bulletin.

Evelyn E. Newman

For more than 30 years, Evelyn Newman has planned and developed annual events that have raised millions of dollars for not-for-profit organizations in St. Louis. Among the events she founded and developed are the Book Fair, the Scholarshop, Gypsy Caravan, the Camelot auction, the St. Louis Art Museum Gift Shop, and many more.

She is president of the Evelyn Newman Group, which serves primarily not-for-profit clients with marketing and fund raising. She was founder and executive director of Forest Park Forever and helped to form The Park Conservancy. Her most recent achievement is establishing the Sophia M. Sachs Butterfly House & Education Center in Faust Park.

In addition to her philanthropic activities, Mrs. Newman developed marketing concepts for specialty shops and promotions for the Rouse Company at St. Louis Union Station and the May Company department stores.

Mrs. Newman and her family have made a long-term commitment to improve the quality of life in St. Louis through the support of many civic, educational, and cultural institutions. In 1992, she received the Lifetime Achievement Award from the Arts & Education Council of Greater St. Louis.

New Ex Officio Trustees

Francis G. Slay

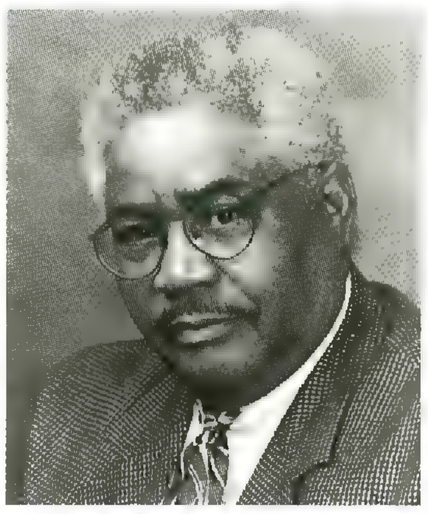
With his election April 17, 2001, as the 45th mayor of the City of St. Louis, Francis G. Slay became an *ex officio* trustee of the Missouri Botanical Garden, as provided in the Will of Henry Shaw.

A native of St. Louis, Slay was elected to the St. Louis Board of Aldermen in 1985, representing the City's 23rd Ward. Ten years later, he was elected president of the board and re-elected president in 1999.

A 1973 graduate of St. Mary's High School, Slay graduated from Quincy College in Quincy, Illinois, in 1977. He received his law degree from Saint Louis University in 1980, then served as a law clerk for the Honorable Paul J. Simon, Judge of the Missouri Court of Appeals for the Eastern District.

Harold M. Brewster

Harold M. Brewster became an *ex officio* trustee of the Garden upon his election as president of the St. Louis Board of Education. He was first elected to the school board in 1997.



Brewster retired after 15 years of service as Recreation Manager for the City of St. Louis. During his 40-year career, he has held management and administrative positions with General Motors, the Human Development Corporation, and the City of St. Louis, including deputy director for the Community Development Agency.

Brewster is Clergy Coordinator for Congressman William Lacy Clay, Jr. of the 1st Congressional District and the founding pastor of Trinity Christian Fellowship Church, where he is now pastor emeritus. He earned a bachelor's degree from Webster University and completed the development program of the Danforth Foundation Metropolitan Leadership Fellowship.

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MAY – JUNE 2001

For information on making a gift to the Tribute Fund, please call the Development Office at (314) 577-5120.

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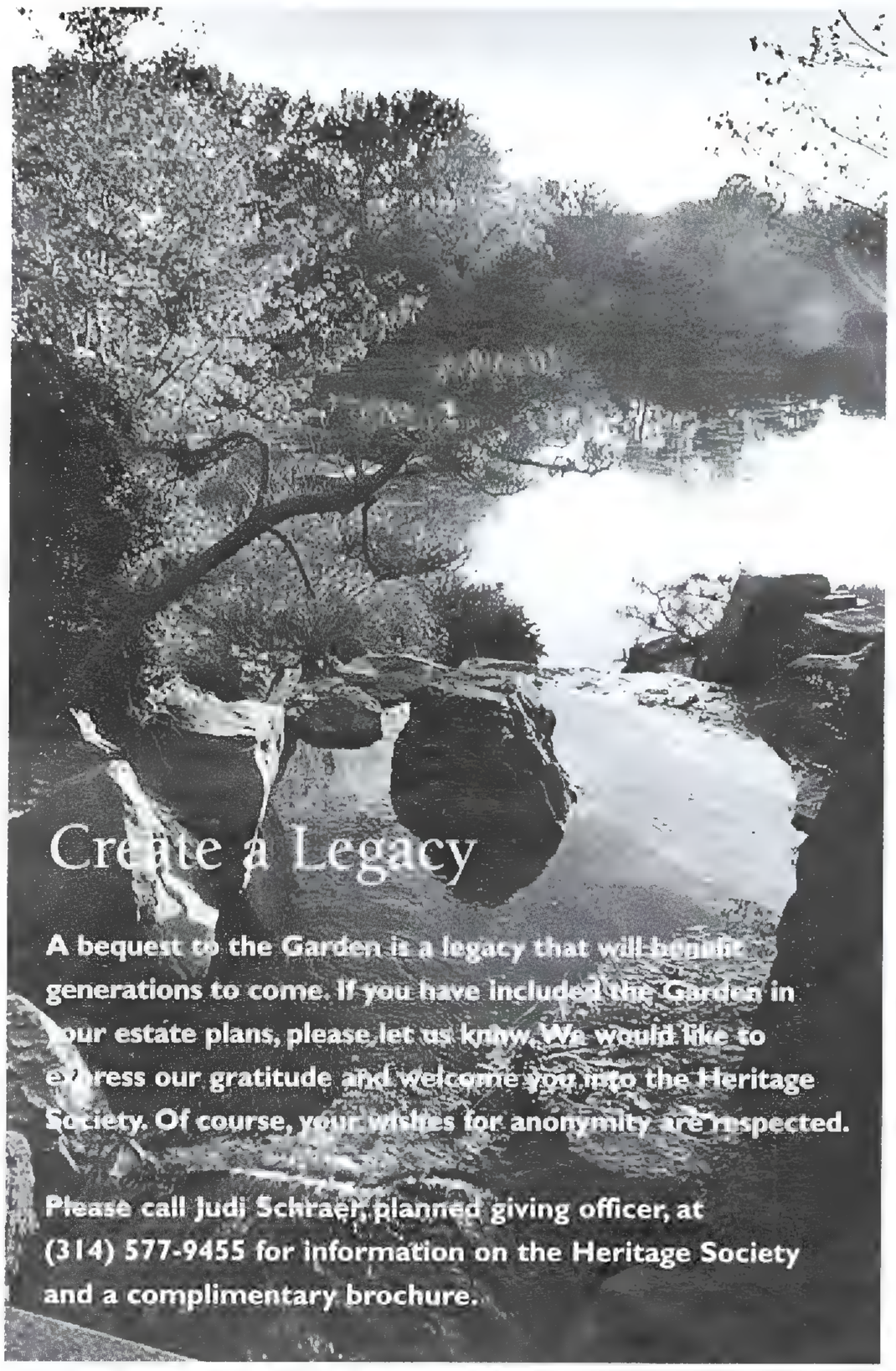
Create a Legacy
A bequest to the Garden is a legacy that will benefit generations to come. If you have included the Garden in your estate plans, please let us know. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected.
Please call Judi Schrael, planned giving officer, at (314) 577-9455 for information on the Heritage Society and a complimentary brochure.

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continued on page 20

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continued from page 19

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continued on page 22

PHOTOGRAPHED IN THE ISABEL ALOE BAER MEMORIAL GARDEN. PHOTOS BY TRENT FOLTZ

Top: Exclusive and elegant trellises and plant stakes are beautifully crafted in heavy gauge steel with a variety of finishes. All are custom designed with the Missouri Botanical Garden logo.

Right: Make light work of gardening with the ergonomically designed Trake, a rake and trowel in one, and this sturdy, washable plastic trug.

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All proceeds from the Garden Gate Shop benefit the Missouri Botanical Garden.

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Inside This Issue

2.
BEST OF MISSOURI MARKET
Celebrating ten years of the best our State has to offer.

5.
BUTTERFLY HOUSE JOINS THE GARDEN
West St. Louis County is home for the Garden's newest division.

6.
CORPORATE PARTNERS
Welcoming new and renewing corporate members; a Planned Giving donor profile.

7.
NEW DIRECTOR OF EDUCATION
Dr. Luther Williams joins the Garden; a new genus of conifer is discovered in Vietnam.

8.
HOME GARDENING
Discover the joys of gardening with native plants at Shaw Nature Reserve.

11.
CALENDAR OF EVENTS
Last chance for Chapungu; Fall Plant Sale; special events benefit Tower Grove House.

15.
NEWS OF THE MEMBERS
New MBG License plate.

16.
CONSERVATION & SUSTAINABILITY
Education and conservation programs pay off in Peru.

17.
TRUSTEES
New trustees join the Board.

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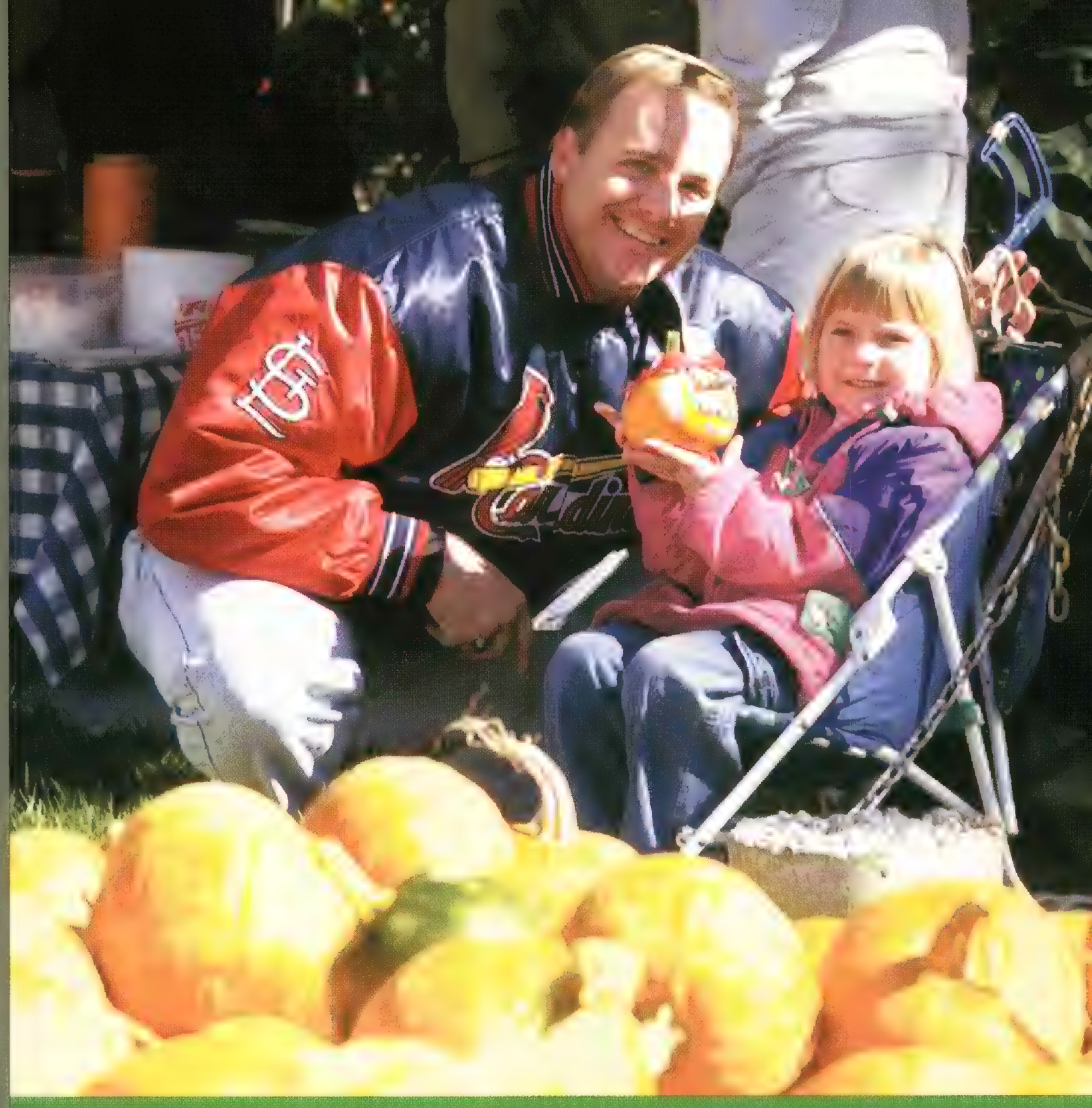

10TH ANNIVERSARY
BEST OF MISSOURI MARKET

Saturday & Sunday • October 6 & 7 • See pages 2 & 3

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See the World

BULLETIN

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Missouri
Botanical
Garden

See the World

NOVEMBER / DECEMBER 2001

Holiday Flower Show
Grandma's Toychest: Whirligigs & Jumping Jacks
See page 6-7

Volume LXXXIX
Number Six

$8.35 Million From Kemper Foundation and Commerce Bank

ABOVE: Rendering of the new Commerce Bank Center for Botanical Research to be located at the corner of Kingshighway and Vandeventer. Drawing courtesy of The Sansone Group.

A major strategic initiative has finally been realized by the Garden, thanks to the generosity of the William T. Kemper Foundation and Commerce Bank.

At a news conference on October 8, David Kemper, Chairman, President and Chief Executive Officer of Commerce Bancshares, Inc., announced $8.35 million in contributions from the Foundation and the bank to advance the Garden's global influence and its initiatives in education, research and economic development. Also participating in the conference were Governor Bob Holden, Mayor Francis Slay and Dr. Peter Raven.

The William T. Kemper Foundation's contribution of $4.75 million, the Foundation's largest gift in St. Louis to date, will support research and education. The $3.6 million from Commerce Bank will be used to spur economic development in the Shaw and Vandeventer area.

In recognition of the Commerce Bank contribution, the Garden will name a new 58,000 square-foot center for plant science research, education and related programs the Commerce Bank Center for Botanical Research. A portion of the Foundation's contribution will be used to promote research operations. The new Center will

be housed in a former warehouse to be renovated by the Sansone Group to suit the Center's needs. It is located across from the Garden's Monsanto Center and adjacent to a new multi-modal transit center that will be a hub for Bi-State buses in the area. The development will include park 'n ride and off-site parking for Garden events during evenings and on weekends.

"These contributions are a landmark investment in plant sciences research," said Dr. Raven at the ceremony, "and they add value also to our programs in education. They will strengthen the future of our neighborhoods, our city and the region. David is a valued advisor to the Garden and a leader on our Board who understands the significance not only of the work we do, but also the work yet to be done."

Commerce Bank's contribution utilized the State of Missouri Transportation Tax Credit program. Governor Holden noted, "I am delighted that Missouri's innovative partnership program played a significant part in the realization of the new transit center at this site. We applaud the leadership, vision and generosity of the Kemper family and Commerce Bank."

Mayor Slay, commenting on the city's partnership with the Garden to revitalize neighborhoods nearby said, "We are grateful for this partnership that will strengthen the City of St. Louis and I believe will serve as a catalyst for growth."

Mr. Kemper said, "Building on the Garden's worldwide successes by funding its research and educational goals is a smart investment. Forging private/public partnerships to do so is essential. This region is fortunate to have a tremendous bio-medical education and research complex. All of us must be good stewards of our resources, and the William T. Kemper Foundation and Commerce Bank are pleased to take a leadership role in helping to accomplish that goal."

"Building on the Garden's worldwide successes by funding its research and educational goals is a smart investment."

David W. Kemper,
Chairman, President and Chief Executive Officer
Commerce Bancshares, Inc.

TIM PARKER

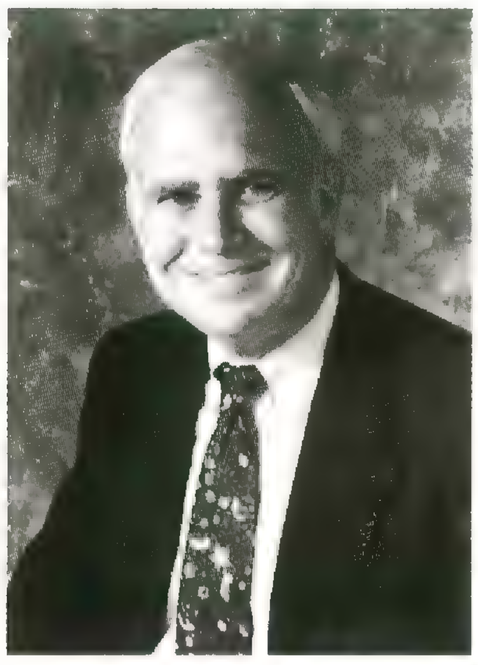
MISSOURI BOTANICAL
OCT 2 9 2001
GARDEN LIBRARY

TIM PARKER

David Kemper of Commerce Bancshares, Inc., Governor Bob Holden, Mayor Francis Slay and Dr. Peter Raven present the rendering for the new 58,000 square foot center for plant science research, education and related programs, the Commerce Bank Center for Botanical Research.

Comment

Missouri Botanical Garden Mission:
To discover and share knowledge about plants and their environment, in order to preserve and enrich life.



We have entered the season of thanksgiving. We at the Garden have much for which we are grateful. We as Americans have even more. Surely the tragic events of September 11 will never be erased from our memories. Each of us has found ways to remember and honor those who perished, to comfort through our actions their relatives and other loved ones. The Garden planted a tree near the Tram Shelter in their honor, and we have found other ways to engage our family of staff and friends in seeking solace and strength.

I do not mean to take away from the joy of the approaching holiday season or from the satisfaction of our accomplishments during the year. The Garden is in the critical period of year-end giving to support our daily operations and we are grateful for your assistance in meeting and exceeding our goals. Your support enables us to maintain the standard of excellence that has made the Garden a world-class institution, a tranquil oasis for those who seek it and a splendid display of plants and their importance to us, the critical necessity of conservation and the preservation of species to the life of our planet.

You'll find in this issue of the *Bulletin* a report of the extraordinary generosity of the William T. Kemper Foundation and Commerce Bank to advance the global influence of the Garden and its initiatives in education, research and local economic development. I am deeply grateful to David Kemper, former President of the Board of Trustees, and a valued advisor to the Garden, whose understanding and commitment has helped to set a strong foundation for our future.

The Japanese Festival over Labor Day brought more than 32,000 visitors to the Garden. I think it was the best ever. Thanks to Nora Stern and Ellen Dubinsky and their horde of collaborators, Best of Missouri Market celebrated its 10th anniversary the first weekend of October, creating a showplace for our State's products. We are looking forward to your joining us for our annual Holiday Show, Carols in the Garden and other activities.

If we do not include our regional offices throughout the world, in the St. Louis region alone the Garden has five campuses – here on Shaw Boulevard, the Shaw Nature Reserve in Gray Summit, Gateway Center for Resource Efficiency in Grand Center, the Sophia M. Sachs Butterfly House in Faust Park, and the Litzsinger Road Ecology Center in Ladue. Henry Shaw may have conceived of such developments, but you have made them happen. I owe my own gratitude and appreciation and the thanks of our staff to all of you for enabling us to contribute to a better and more productive society.

— Peter H. Raven, Director

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On the Cover

Brian LeDoux adjusts a carousel horse, one of the numerous toys within the Holiday Floral Display. Brian and his staff design the show, engineer, build, decorate and maintain the various mechanical toys, as well as grow, plant and care for the plants within the display. For more about their efforts, see page 6. – Photo by Trent Foltz.

Editor
Patricia Arnold

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The BULLETIN is sent to every member of the Garden as a benefit of membership. For a contribution of as little as $55 per year, members also are entitled to: free admission to the Garden, Shaw Nature Reserve, and Tower Grove House; invitations to special events and receptions; announcements of all lectures and classes; discounts in the Garden Gate Shop and course fees; and the opportunity for travel, domestic and abroad, with other members. For information, call (314) 577-5118.

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Day of Remembrance

On September 23rd, the Garden celebrated Peter H. Raven's 30th year as Director. This day took on added meaning as Dr. Raven led a Day of Remembrance ceremony for those who died on September 11th. An eastern white oak, chosen for its beauty, strength and longevity, was planted near the tram shelter close to the Ridgway Center.

During his remarks Dr. Raven said, "It is surely only through love and understanding that we can find a way forward now in this seemingly hostile world that confronts us." He said that while we need to seek justice, we also need to pray for love and compassion in our hearts. He spoke about how St. Francis of Assisi, who renounced wealth for a life of poverty and service, teaches us that inspired leaders can change the course of history and how we think about one another.

Dr. Raven and the entire staff hope that visitors will find the Garden to be a peaceful refuge during times like these, and that the Remembrance Tree will grow into a towering memorial and symbol of life.

A Chapungu sculpture by Zimbabwe sculptor Joe Mutasa entitled The Sole Provider *was donated to the Garden by the Chapungu Sculpture Park and the sculptors of Zimbabwe in memory of the victims of the September 11 events. The sculpture, created in 1998 from springstone, depicts a woman who has lost her husband and is left alone to raise her children. A permanent location for the sculpture is being chosen.*

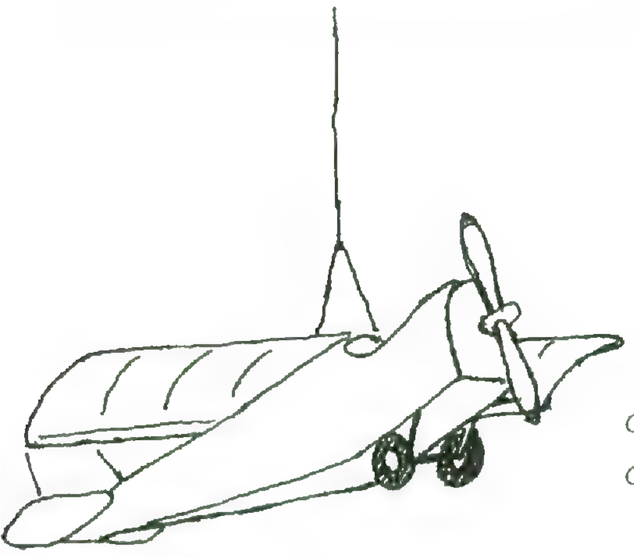
Joe Mutasa, The Sole Provider, 1998

TIM PARKER

Raffle of Relief

Giving their "best" to the Best of Missouri Market, a Raffle of Relief was held to raise money for the Missouri-1 Disaster Medical Assistance Team. One of 40 teams around the country deployed to take care of the rescue and recovery workers in New York City, this two-year-old volunteer organization, sponsored by the St. Louis Metropolitan Medical Society, is comprised of doctors, nurses, EMS workers, dieticians, communication specialists and administrative personnel. The Missouri Botanical Garden and Market Vendors contributed items valued at over $1000 for each day's raffle.

Holiday Journeys



Grandma's Toychest: Whirligigs and Jumping Jacks

Take a nostalgic stroll down memory lane to a time before battery-operated toys and computer games. The Holiday Floral Display, Nov. 21– Jan. 1, glimpses an era when shoelace climbers and ladder tumblers appeared to work by magic.

This extravaganza of holiday delights is jam-packed with animated toys and surprises at every turn. The jumping Jacks jump. The Ferris wheel spins a full-house of Teddy bears. A romantic carousel revolves. Just ahead is Santa slipping into the chimney, and overhead a bi-plane is flown by an eagle.

Traditional wreaths and garlands festoon the walls. At the center of the display is a 15-foot tree decorated with hand-fashioned paper garlands, Moravian stars, potpourri bags, and tiny baskets of dried flowers.

There are "live" surprises as well. Among the hundreds of holiday plants are a number of new poinsettia varieties, with names like "Jingle Bells," "Plum Pudding" and "Candy Cane." Camellia, nicotiana, narcissus, rosemary and sage add fragrant notes, nestled in a legion of begonias, anthurium, and cyclamen. Come to the Garden and enjoy a journey to Grandma's house this holiday.

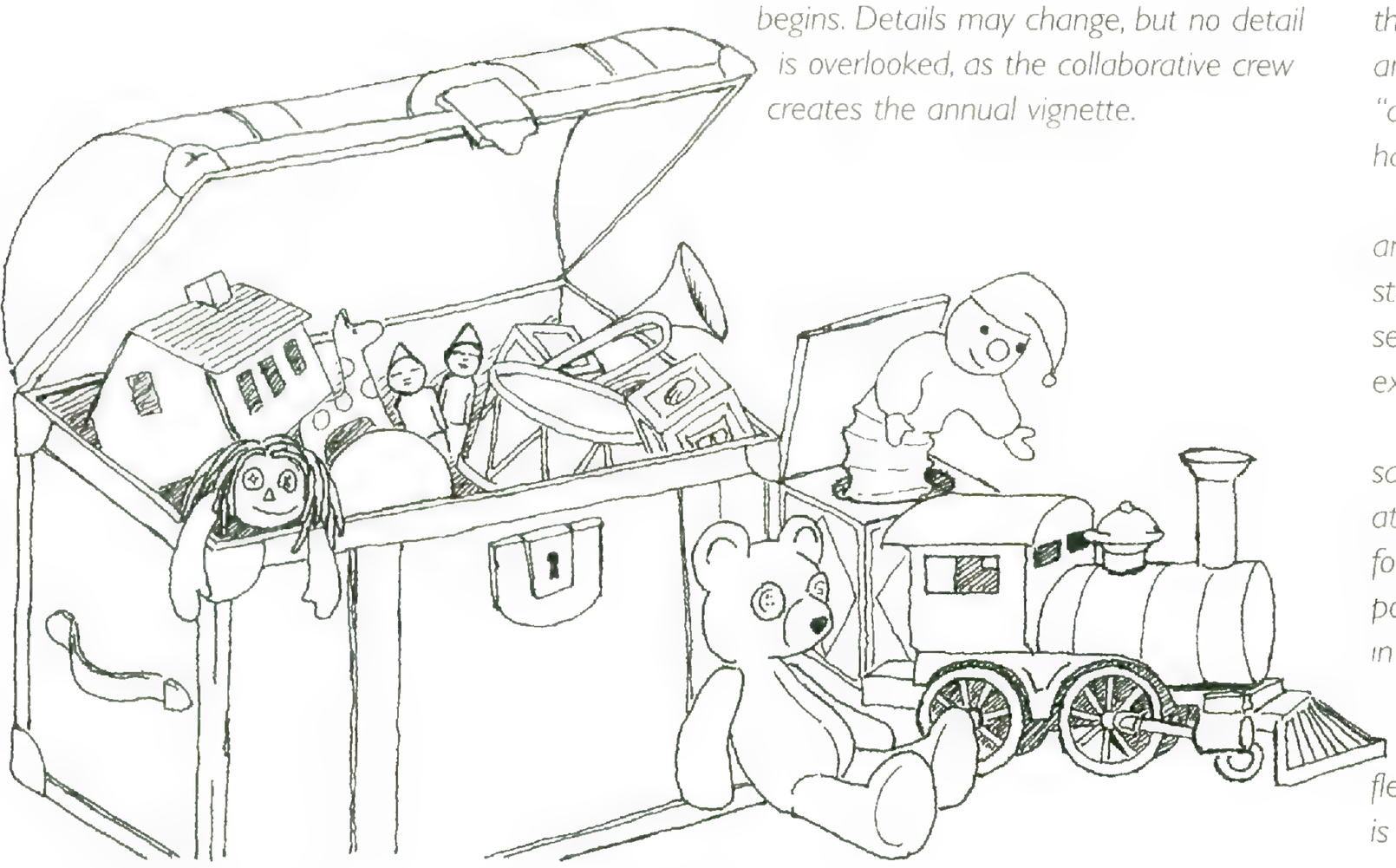
Nov. 21 to Jan. 1, 2002
9 a.m. to 5 p.m.
Ridgway Center.
Regular Garden admission plus $3 per person ages 13 to 64 or $2 per senior citizen ages 65 and over. Free to Garden Members and children ages 12 and under.

Creating The World of Grandma's Toychest

Brian LeDoux and his staff spend a full year planning, growing, painting, and experimenting to bring an imaginative world to life at the Garden each holiday season. They are the masters, the dreamers and the doers behind the annual holiday floral display.

Selecting a theme — with an entire world of plants available and the choices unlimited — is always a difficult decision. LeDoux says, "We never repeat a theme, and while we may use a piece from an earlier display, it is only after it is reworked completely." One rule is steadfast: nothing reappears for at least five years.

As the various components take shape, LeDoux sketches a rough floor plan for the exhibit and work begins. Details may change, but no detail is overlooked, as the collaborative crew creates the annual vignette.



The staff fabricates all the toys and props in the display. Designers, artists and engineers work hand in hand to create "real" toys on a heroic scale. Plans for the shoelace climbers and ladder tumblers in this year's display were scaled from actual toys. "They not only have to be scaled perfectly to look like the original, but the dimensions must also be precise so they will work like the original," he says.

This year visitors journey to another, simpler time. In creating the illusion, the staff enlist sights, sounds, and smells that will evoke a feeling of being transported in time. Some plants were selected for their specific fragrances, others for their traditional blooms. To assure there is no jarring sound, pneumatic cylinders power the animation. Paper garlands on the central tree have been "aged" to look authentic. The other tree decorations are hand-crafted.

Plants for this display were selected well in advance and have been growing under the watchful eye of the staff since early in the year. LeDoux and his staff search the world for the most appropriate and exciting plants available.

"We mix familiar plants with new varieties," LeDoux says. "The combination gives a traditional feeling and, at the same time, excites people about new plant forms." This display includes several new varieties of poinsettia that he expects will be available in St. Louis in a year or two.

When the the doors open for visitors, the display staff breathes a sigh and basks in the accolades. It is a fleeting moment, however, and work begins again. There is daily maintenance and grooming to be done… and, of course, there is next year's holiday display to be created.

These exciting holiday events at the Garden will let you enjoy the traditions of many lands and cultures. See pages 11-14 for a complete list of special events.

Nov. 21 to Jan. 1, 2002

Holiday Wreath Exhibition

This wonderful holiday tradition features magnificent wreaths created by some of the finest floral designers in the St. Louis area. 9 a.m. to 5 p.m. Ridgway Center.

Nov. 26 to Jan. 1, 2002

Tower Grove House Holiday Tours

Garden founder Henry Shaw's historic country home is lavishly decorated for the holidays. Guided tours are offered from 9:45 a.m. to 4 p.m. Tower Grove House.

Nov. 26 to Jan. 1, 2002

Dry Flower Decorations Display

Includes a stunning 14-foot Scottish pine, decorated entirely with dried flowers. 9 a.m. to 5 p.m. Kemper Center for Home Gardening.

Dec. 2

Chanukah: Festival of Lights

Traditional Jewish holiday celebration that includes festive music and a menorah-lighting ceremony. The stories of Chanukah are told by puppets, storytellers, and musicians throughout the day. An Israeli shuk (market) with an array of Chanukah merchandise, Chanukah cookie decorating, and children's craft workshops round out the festivities. 11 a.m. to 5 p.m. Ridgway Center.

Dec. 4, 10, 12 & 13

Tower Grove House Holiday Luncheons

Noon, Tower Grove House. Presented by the Tower Grove House Auxiliary, featuring a special holiday menu. Advance reservations required by calling (314) 577-5150.

Dec. 6 to 7

Carols in the Garden

Join us for a delightful winter evening at the Garden as the sounds of the season fill the air. Carolers and musicians will perform holiday favorites and Santa will be on hand to add to the festivities. Visitors will enjoy roasted chestnuts, a hurdy-gurdy man, children's holiday craft workshops, apple cider and cookies, and more. 5 to 9 p.m. Ridgway Center and throughout the Garden grounds.

Dec. 6 to 7

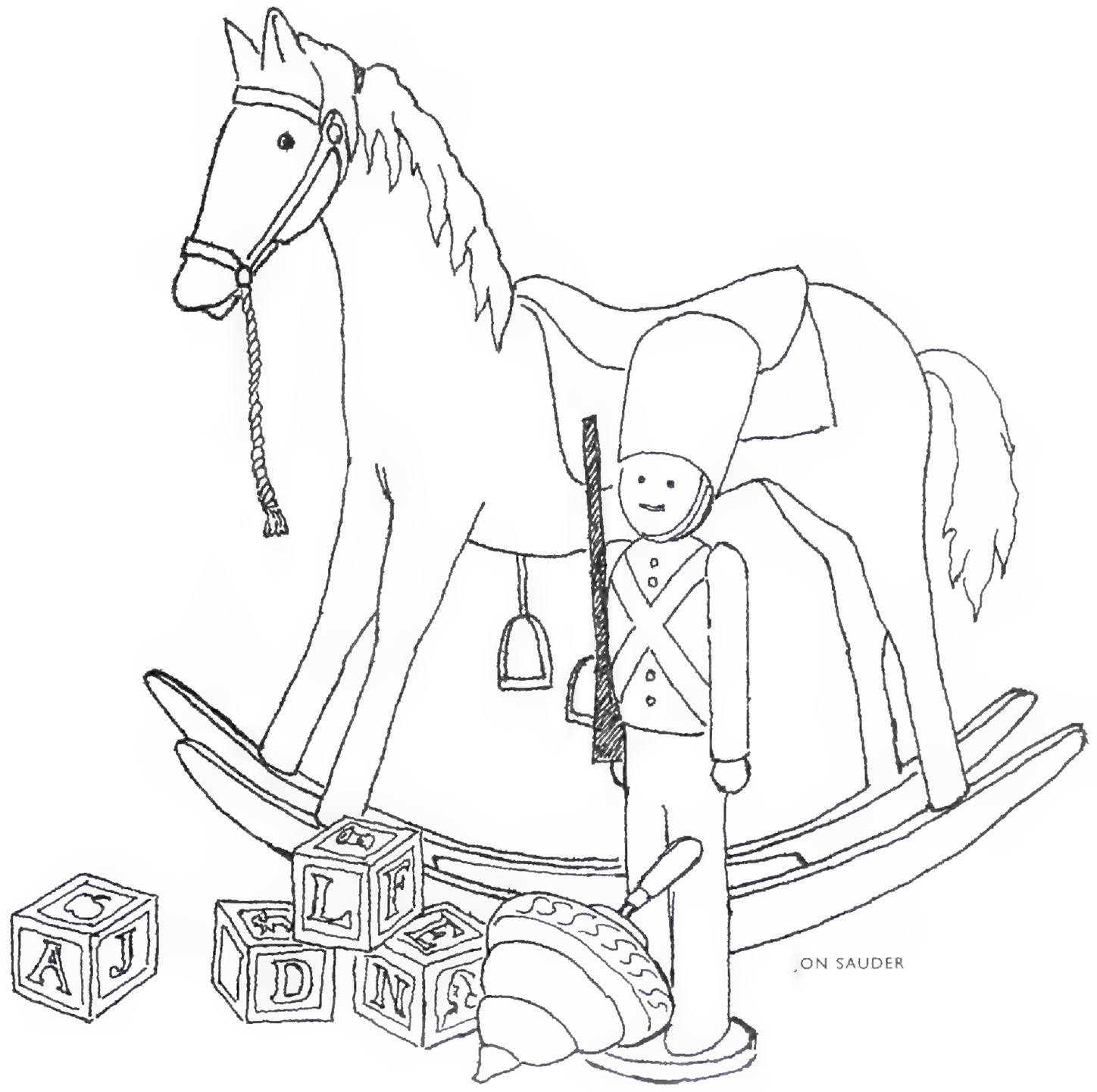
Tower Grove House Candlelight Tours

Visitors can experience the elegance of a 19th century English Christmas in Garden founder Henry Shaw's country home, decorated for the holidays in traditional Victorian splendor. 4:30 to 8:30 p.m. Tower Grove House. Advance reservations required by calling (314) 577-5150.

Dec. 29

Kwanzaa: Festival of the First Fruits

Celebrates the richness of African-American culture. Kwanzaa is a Swahili term that means "first fruits," and this contemporary African-American holiday is centered around the feast table of the harvest. A Kwanzaa ceremony highlights a day of storytelling, craft and jewelry workshops, and authentic African drumming and musical performances. 11 a.m. to 5 p.m. Ridgway Center.



News of Note

Flora de Nicaragua

W.D. Stevens, Noel Ramírez and President Arnoldo Alemán.

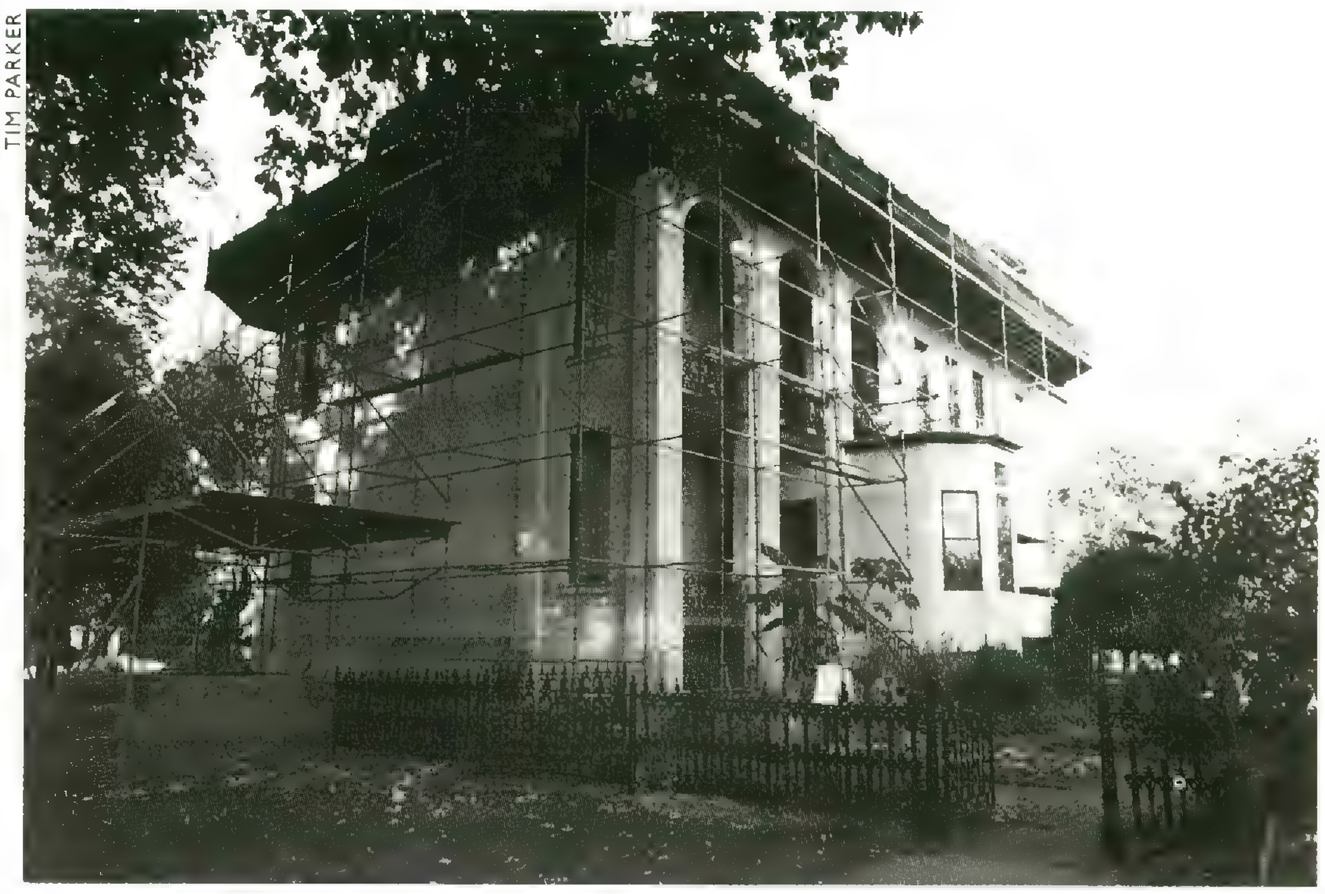
W. D. Stevens, the B.A. Krukoff Curator of Central American Botany, traveled to Nicaragua to present the recently published *Flora de Nicaragua* to the President of Nicaragua, Dr. Arnoldo Alemán. Other copies were presented to the President of Banco Central, Dr. Noel Ramírez, to the Rector of the Universidad Centroamericana, Father Eduardo Valdés and to Dr. Jaime Incer, principle Nicaraguan sponsors of the *Flora de Nicaragua* project. The presentation ceremony took place at the Library of Banco Central and was followed by a reception hosted by President Alemán. Olga Martha Montiel, assistant to the director of the Garden and a native of Nicaragua, was a co-editor of this project and also attended the ceremony.

Proceeds of Art Auction to Benefit Garden

A sealed-bid auction of an original 40 x 40 inch painting by Billyo O'Donnell will begin on Nov. 16th and continue until Dec. 20th at the Kodner Gallery, 7501 Forsyth (314-993-4477). All proceeds will benefit the Garden. Mr. O'Donnell, a St. Louisan, was recently named one of the Top 50 Plein-Air Painters in America by the Laguna Beach Art Museum. Kodner Gallery will be open on Nov. 16 and 17 from 6:00 to 10:00 p.m. with poster signings at 8:30 p.m., and on Nov. 18 from noon to 5:00 p.m. with a lecture at 3:30 p.m.

Tower Grove House Restoration

TIM PARKER



In an effort to restore Tower Grove House to its original beauty, a first-step for architect Philip Cotton, Jr. was to study the oldest photos of the house. The photos, coupled with scraping paint, led to a discovery about the true colors of Henry Shaw's home.

Under seventeen layers of paint on the west section of the house, built in 1849-50, Mr. Cotton found the original colors were a dark green and a light cream. He also discovered the cornice on the east section, rebuilt in 1890, needed to be completely replaced. And so began a most important restoration of the exterior of Tower Grove House.

The asphalt shingles of the existing roof are being replaced with slate from the same Vermont quarry that provided the original roof. New copper gutters and downspouts are being installed. Stucco and trim work on the tower and the chimneys are being repaired and then, of course, the paint colors Mr. Cotton revealed will be applied.

Contractors on this handsome restoration project include: BSI Constructors, project managers; South Side Roofing and Sheet Metal; John Steurer Plastering; and Slattery Painting. Ramon Cusi is the manager of construction and contract services for the Garden.

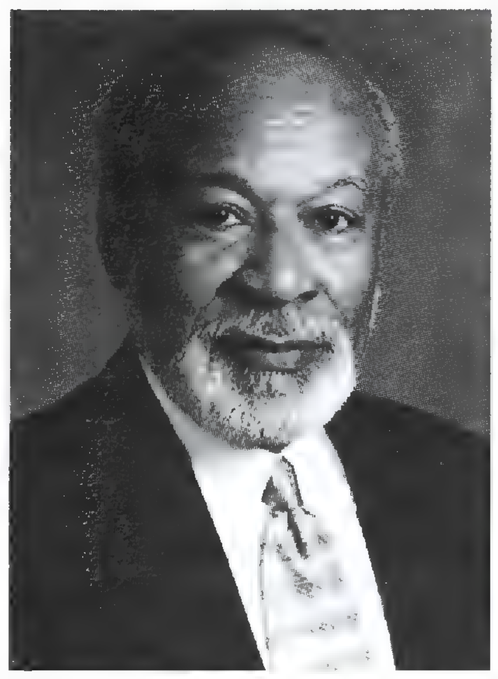
Next time you visit the Garden, be sure to stop by Tower Grove House (there are many wonderful holiday events!) and admire the restored cornice, roof and other marvelous architectural features that surely were dear to Henry Shaw.

TIM PARKER

Left to right: Robert E. Kresko, William H.T. Bush, Peter H. Raven, John K. Wallace, Jr. and Jack E. Thomas, Jr. at the Sept. 5th, 2001 presentation of a painting to Peter H. Raven by the Board of Trustees on the occasion of his 30th Anniversary as Director of the Missouri Botanical Garden.

News of Note

Luther Williams Enters Hall of Fame



Dr. Luther S. Williams, director of education and interpretation and senior advisor to the director of the Garden, has been been named to the National Black College Alumni Hall of Fame for outstanding achievements in the field of science. Dr. Peter H. Raven called the honor "richly deserved," and said Williams "is a tireless advocate for science education for all Americans."

In addition to Williams' affiliation with the Missouri Botanical Garden, he is a visiting scholar at Payson Center for International Development and Technology Transfer at Tulane University. For almost a decade, Williams served at the National Science Foundation, and has held administrative and faculty positions at a number of distinguished universities including MIT and Washington University. Williams received his doctorate in biology from Purdue University.

48th Annual Systematics Symposium:

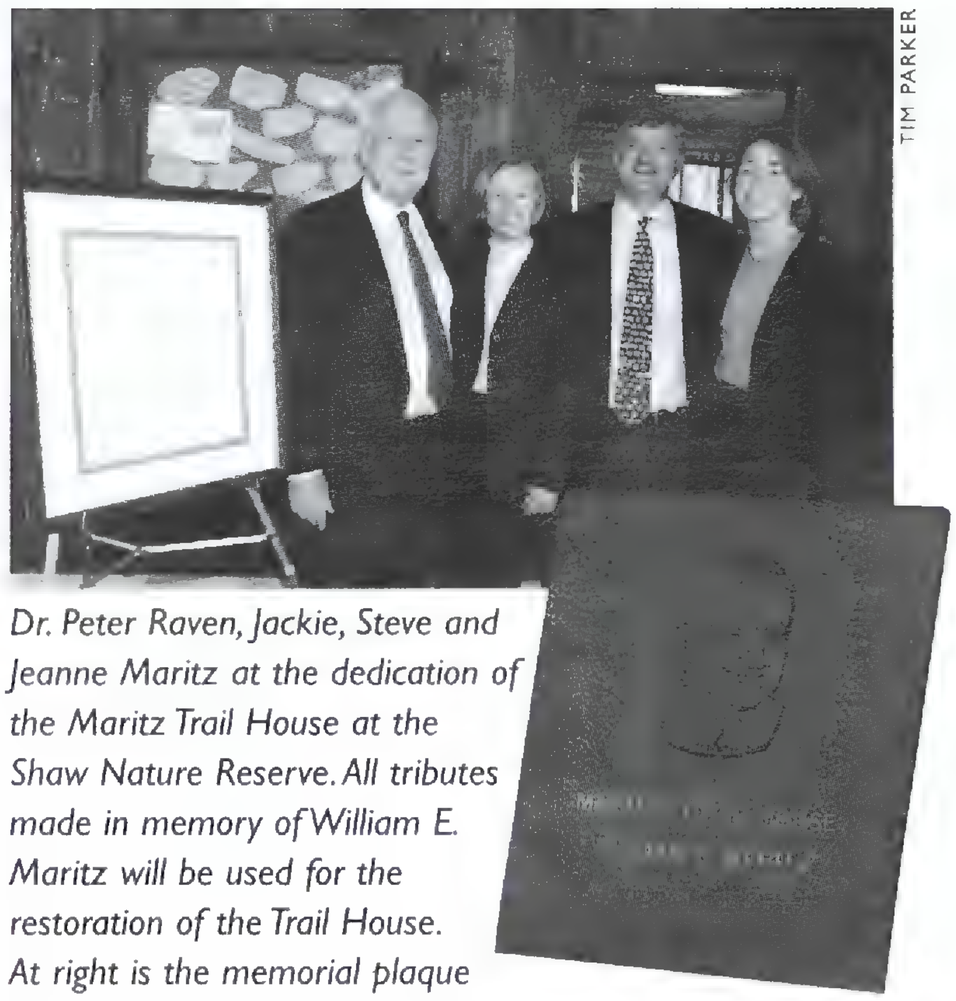
Biological Invasions

Speakers and Organizers at the Symposium were (from left): Clinton Jenkins, John Gaskin, Stuart Pimm, Peter White, Peter Raven, Liz Chornesky, Julie Denslow, Richard Mack, Peter McEvoy, Sarah Reichard, Lori Lach, and Mick Richardson.

"Tamarix has overtaken more than one million riparian acres and it invades a further 50,000 acres each year," said John Gaskin, a graduate student at the Missouri Botanical Garden and Washington University. Gaskin, holder of a prestigious EPA Star Fellowship, is using molecular methods to identify the source of these invaders from Central Asia. Other invasive species of particular note in Missouri include purple loosestrife and zebra mussels. Almost four hundred scientists from the United States and abroad heard about the dangers of foreign plants and animals invading the United States at the Garden's annual Systematics Symposium, October 12-13, 2001.

Invasive species are a major cause of extinction of native plants and animals. Some invasive weeds may be rendered less harmful by biological control but careful attention must be paid to possible non-target effects. In contrast to some dire warnings of a worsening problem, Liz Chornesky, a biologist with The Nature Conservancy at the University of California at Santa Cruz, offered reasons to have some hope as both scientists and the public learn more about the invading organisms.

Maritz Trail House Dedicated at Shaw Nature Reserve



TIM PARKER

Dr. Peter Raven, Jackie, Steve and Jeanne Maritz at the dedication of the Maritz Trail House at the Shaw Nature Reserve. All tributes made in memory of William E. Maritz will be used for the restoration of the Trail House. At right is the memorial plaque to be installed on the Trail House.

Dr. Smith Celebrates 10 Years at the Garden

Dr. Shannon Smith, director of horticulture, is celebrating his tenth year of designing horticultural displays at the Garden. Paul Brockmann, director of general services, said recently at a Garden-wide staff meeting, "Shannon's work over the last ten years has dramatically elevated the art of horticultural displays. He and his staff constantly utilize plant materials in new and exciting ways. Just when you think Shannon has done his best work, he surpasses it. He is a master of blending flowers and foliage – color, shape, texture and size into imaginative compositions." Visitors to the Garden can enjoy Dr. Smith's outdoor exhibits in planting beds throughout the Garden including those at Ridgway Center, the Linnaean House and the Victorian Garden near Tower Grove House.

Corporate Giving & Grants

Anheuser-Busch Companies, Inc.

Since December 1998, Anheuser-Busch has been a member of the Missouri Botanical Garden's Corporate Partners program. Anheuser-Busch and the Garden are both committed to preserving and protecting the environment and supporting our local communities. Anheuser-Busch Companies, Inc., the company's brewing subsidiary, is the world's largest brewer and is recognized both nationally and internationally.

Did you know that you can run a TV three hours from the energy saved by recycling ONE aluminum can? Anheuser-Busch's subsidiary, Metal Container Corporation, is one of the largest U.S. manufacturers of aluminum beverage containers, and its recycling subsidiary, Anheuser-Busch Recycling Corporation, recycles the equivalent of about 130 percent of the beer cans sold domestically by Anheuser-Busch. This is just one way that Anheuser-Busch helps to preserve the environment, making the world a better place for all of us.

"Our annual contribution to the Garden reflects our commitment to the environment and the community," stated Laura Reeves, Senior Director of Corporate Giving, Anheuser-Busch Companies. "Supporting the Garden directly improves the quality of life in the St. Louis community."

The Corporate Partners program is designed to strengthen the relationship between the Garden and the corporate community. Corporate annual support provides critical operating support for the Garden's international botanical research, educational outreach, and horticultural displays.

TIM PARKER

Corporate Partners Committee members (left to right) Edward D. Higgins, Harry E. Wuertenbaecher, Jr., Anthony F. Sansone, Sr., Clarence C. Barksdale, Lucius B. Morse III, and Jack E. Thomas, Jr.

Corporate Partners

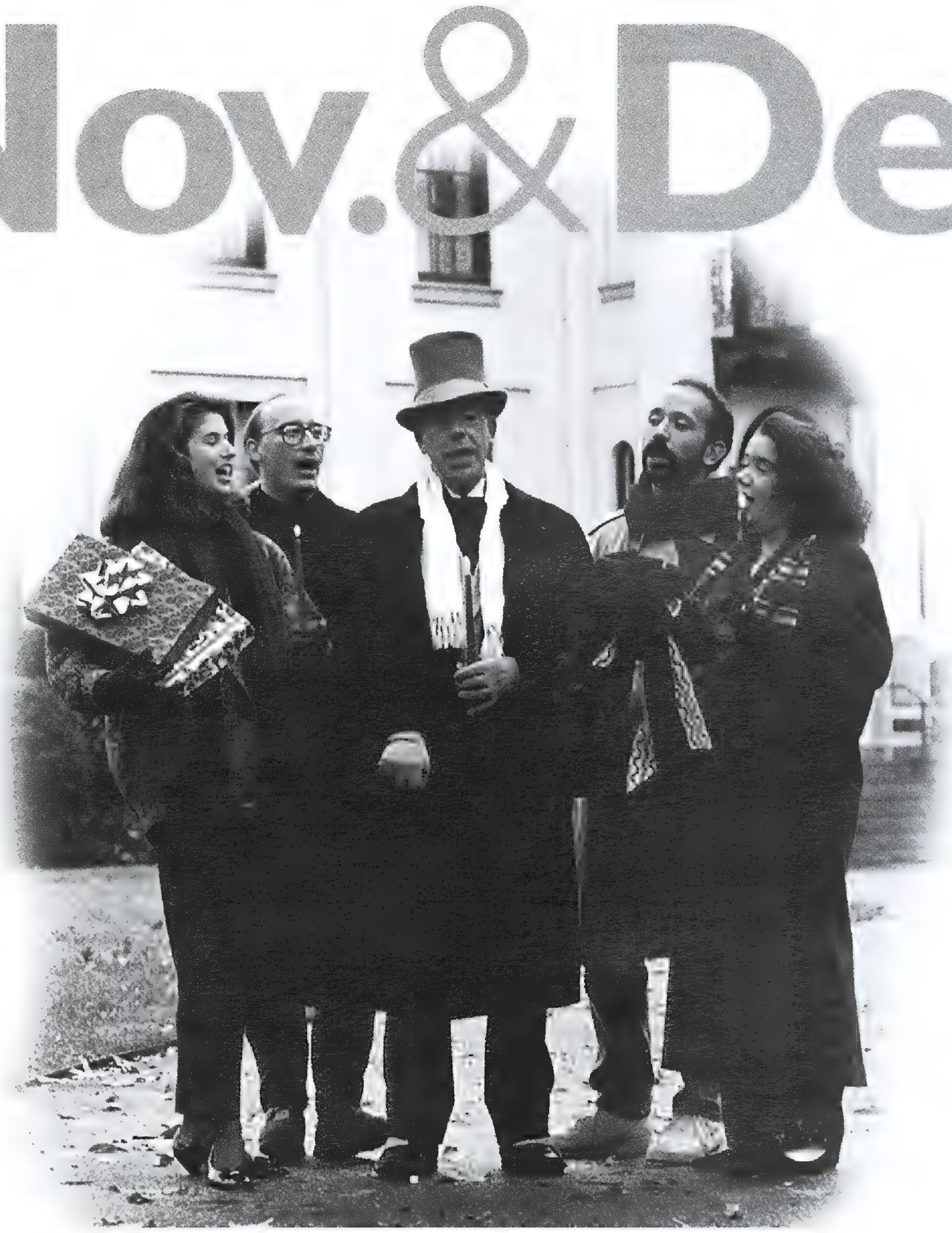
Corporate Partners provide outstanding support for the Garden and receive wide recognition for their service to the greater St. Louis community. Corporate members are invited to many special events at the Garden throughout the year. For more information, please contact Emma Lee Twitchell, development manager, at (314) 577-0847 or email: EmmaLee.Twitchell@mobot.org.

We would like to thank the following corporations who recently joined, renewed, or upgraded their Corporate Partners membership:

Principal Level

Firstar

Nov. & Dec.



Dec. 6 to 7

Carols in the Garden

Join us for a delightful winter evening at the Garden as the sounds of the season fill the air. Carolers and musicians will perform holiday favorites and Santa will be on hand to add to the festivities. 5 to 9 p.m. Ridgway Center and throughout the Garden grounds. $8 per adult, $5 per senior citizen, $4 per member, and $3.50 per child ages 3 to 12. Includes free admission to "Grandma's Toychest: Whirligigs and Jumping Jacks," the annual floral exhibition. The Garden Café will be open from 5 to 7 p.m., offering a special menu. No reservations are required.

Dec. 6 to 7

Tower Grove House Candlelight Tours

Visitors can experience the elegance of a 19th century English Christmas in Garden founder Henry Shaw's country home, decorated for the holidays in traditional Victorian splendor. Refreshments will be served. 4:30 to 8:30 p.m. Tower Grove House. $15 per person, $12 per Garden Member, by reservation only. Includes free admission to Carols in the Garden and "Grandma's Toychest: Whirligigs and Jumping Jacks," the annual floral exhibition. Presented by Tower Grove House Auxiliary. Reservations required by calling (314) 577-5150.

Nov. & Dec. Events

Tuesday, November 20
Members Preview Party

Holiday Show Preview

Grandma's Toychest, Whirligigs & Jumping Jacks

5:00 to 8:00 p.m. Ridgway Center, Cash Bar, Entertainment by "Silk Pajamas," Garden Gate Shop will be open.

Dinner Buffet is available for purchase in the Garden Café.

$16.95 per person

Call 314 577-9500 for reservations by Tuesday, November 13, 2001.

MEMBERS EVENT

TIM PARKER

Nov. 1 – 30

Winter Tram Schedule

Trams will run at 10 and 10:30 a.m., 2 and 2:30 p.m., weather permitting.
There will be no tram service in December.

Nov. 21 to Jan. 1, 2002

Grandma's Toychest, Whirligigs & Jumping Jacks

Annual holiday floral exhibition.
9 a.m. to 5 p.m.
Ridgway Center.
Regular Garden admission plus $3 per person ages 13 to 64 or $2 per senior citizen ages 65 and over. Free to Garden members and children ages 12 and under.

Now to Nov. 14

The Remains of Nature

Exhibition of outstanding paintings by Alexa Kleinbard continues. Her distinctive, leaf-shaped art is inspired by critical environmental issues and the breathtaking beauty of Mount Desert Island, Maine, where nature is well protected. Kleinbard has received awards from the National Endowment for the Arts and exhibited her work at museums and galleries from New York City to San Francisco, as well as in France, Belgium and Spain.
9 a.m. to 5 p.m. Ridgway Center. Free with regular Garden admission or Garden membership.

Now to Feb. 28, 2002

Missouri Botanical Garden 2002 Calendar Display

9 a.m. to 5 p.m.
Ridgway Center.
Free with regular Garden admission or Garden membership. Calendar will be available for purchase in the Garden Gate Shop. Proceeds support the Missouri Botanical Garden.

November 21 through January 1, 2002

Holiday Wreaths Exhibit

9:00 a.m. to 5:00 p.m. daily
Annual tradition by some of the finest floral designers in St. Louis.
Participants include:

- Studio P
- Ahner's Garden & Gifts
- Botanicals on the Park
- Dale Rohman Enterprise, Inc.
- Wildflowers
- And much more.

Free with Garden admission or membership.

Nov. 1, Thursday

Kay Charter Lecture: *Meet the Birds in Your Yard*

7 p.m. Ridgway Center
Kay Charter, author of *For the Love of Birds* (Crofton Creek Press, 2000, $24.95), centers her program around familiar and not-so-familiar species and presents some of the habitats used by various birds. Learn how to provide food and resting sites to migrating species in your own back yard!
Booksigning follows.
Free with regular Garden admission or Garden membership.

Nov. 7 to 11

Pre-Holiday Sale

Features autumn merchandise and unique holiday décor and gifts.
Wednesday hours are 9 a.m. to 7 p.m. Thursday to Sunday hours are 9 a.m. to 5:30 p.m.
Garden Gate Shop.

Nov. 12 to 18

Celebrate National Children's Book Week at the Garden

All children's books at the Garden Gate Shop are an additional 10 percent off, and free bookmarks will be given with each purchase.
Ridgway Center. Free with regular Garden admission or Garden membership.

Nov. & Dec. Events

Nov. 17

Garden StoryTime

For children ages 4 to 10. Children under age 4 must be accompanied by an adult. 11 a.m. Ridgway Center. Free with regular Garden admission or Garden membership. No reservations required.

Nov. 22 to 25

Thanksgiving Sale

Features 20 to 50% discount on items throughout the shop. 9 a.m. to 5:30 p.m. Garden Gate Shop.

Nov. 26 to Jan. 1, 2002

Tower Grove House Holiday Tours

Garden founder Henry Shaw's historic country home is lavishly decorated for the holidays. Guided tours are offered from 9:45 a.m. to 4 p.m. Tower Grove House. Regular Garden admission plus $2 per person ages 13 and over or 50 cents per child ages 6 to 12. Free to Garden members and children ages 5 and under.

Nov. 26 to Jan. 1, 2002

Dry Flower Decorations Display

Includes a stunning 14-foot Scottish pine, decorated entirely with dried flowers. 9 a.m. to 5 p.m. Kemper Center for Home Gardening. Free with regular Garden admission or Garden membership.

Dec. 1 to Jan. 13, 2002

Vanishing Amphibians

Examines the decline of amphibian populations and the unique characteristics

SITES

that make them vulnerable to changes in their environment. It also explores the broader implications of these falling populations, and what scientists and others are doing to understand and address the problem. 9 a.m. to 5 p.m. Brookings Interpretive Center. Free with regular Garden admission or Garden membership. "Vanishing Amphibians" is organized by the Smithsonian Institution's National Museum of Natural History and the Smithsonian Institution Traveling Exhibition Service (SITES).

Dec. 2

Chanukah: Festival of Lights

Traditional Jewish holiday celebration that includes festive music and a menorah-lighting ceremony. The stories of Chanukah are told by puppets, storytellers, and musicians throughout the day. An Israeli shuk (market) with an array of Chanukah merchandise, Chanukah cookie decorating, and children's craft workshops round out the festivities. 11 a.m. to 5 p.m. Ridgway Center. Free with regular Garden admission or Garden membership.

Wednesday, November 14, 2001

Holiday Decorating

11:00 a.m., Shoenberg Auditorium

Botanicals on the Park

Botanicals on the Park will delight members with a Holiday Decorating Seminar. Come and enjoy this interactive demonstration on the latest in holiday decorating trends. Designer extraordinaire Dean Riebeling will demonstrate ways to transform your home into a winter wonderland. You'll learn step by step, new ways to add festive charm and elegance to your home. Whether you're giving a holiday party or just sprucing up for the season, they will give you ideas that will change the way you look at the winter.

Topics include:

Entries, Doors and Walkways

Fireplaces, Mantles and Hearths

Centerpieces, Buffets and Sideboards

And much more

Garden Gate Shop will offer 5% discount on Holiday Decorations.

MEMBERS • EVENT

TIM PARKER

Nov. & Dec. Events

Dec. 2, Sunday

The Historic Shaw Neighborhood Holiday Home Tour

12 to 6 p.m. Tickets are $10. Tickets are available at the Garden Gate Shop. The Tour begins at the Missouri School for the Blind, 3815 Magnolia, one block west of South Grand. Free parking and shuttle buses are available. Call 771-3101 for more information.

Dec. 4, 10, 12 & 13

Tower Grove House Holiday Luncheons

Noon, Tower Grove House. Featuring a special holiday menu. $15 per person. Presented by Tower Grove House Auxiliary. Advance reservations required by calling (314) 577-5150.

Dec. 5 to 9

Holiday Sale

Features unique holiday décor and gifts, including holiday plants. Wednesday hours are 9 a.m. to 7 p.m. Thursday to Sunday hours are 9 a.m. to 5:30 p.m. Garden Gate Shop.

Dec. 15

Garden StoryTime

For children ages 4 to 10. Children under age 4 must be accompanied by an adult. 11 a.m. Ridgway Center. Free with regular Garden admission or Garden membership. No reservations required.

Dec. 26 to 31

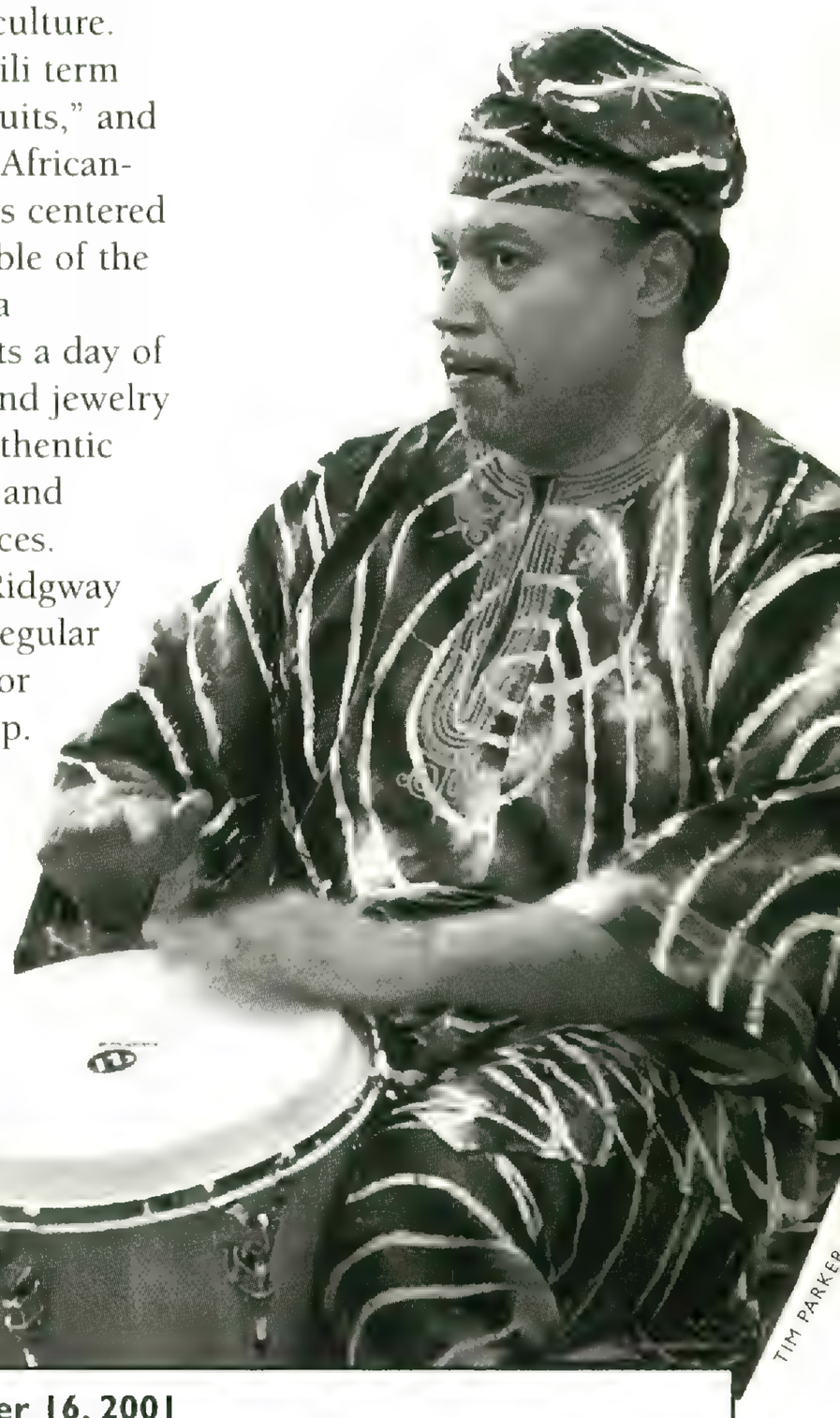
End-Of-Year Sale

Features 20 to 75% discount on merchandise throughout the Garden Gate Shop. 9 a.m. to 5:30 p.m.

Dec. 29

Kwanzaa: Festival of the First Fruits

Celebrates the richness of African-American culture. Kwanzaa is a Swahili term that means "first fruits," and this contemporary African-American holiday is centered around the feast table of the harvest. A Kwanzaa ceremony highlights a day of storytelling, craft and jewelry workshops, and authentic African drumming and musical performances. 11 a.m. to 5 p.m. Ridgway Center. Free with regular Garden admission or Garden membership.



TIM PARKER

Saturday, December 8
Special Members' Event

Breakfast with Santa

8:00 a.m. to 10:30 a.m.

Visit with Santa and his friends, and make a fun holiday craft. Bring a pair of mittens or a child's hat to donate to a good cause. Breakfast $15.00 per person, children under age two are free.

The menu includes:

Waffles with Syrup, Bacon, Turkey Sausage, Scrambled Eggs, Hash Brown Potatoes, Biscuits, Butter and Jam, Mini Muffins, Mini Danish, White and Chocolate Milk, Cranberry and Orange Juice, Freshly Brewed Coffee

Please call 314 577-9500 for reservations required by Monday, December 3. Seating in the Garden Café is on a first come-first served basis.

MEMBERS • EVENT

Sunday, December 16, 2001

Holiday Concert

1:00 p.m. Shoenberg Auditorium

Gateway Ringers, Mark Lawson, Director

Handbell group from St. Louis region will perform traditional holiday music. Founded in 1995, their mission is to demonstrate excellence in musicianship and heighten awareness of hand bell music. Performance incorporates 5 bell octaves using Malmark bells and 3 octaves of choir chimes. Featured at the area VIII AGEAR festival, in Topeka, Kansas in June 2000. First come-first served seating.

Garden Gate Shop will offer 5% discount on Holiday accessories.

MEMBERS • EVENT

Members Days are free for Garden members and their guests, they receive free tram rides, special discounts in the Garden Gate Shop, and 10% off in the Garden Café.

Members

Thanks

The 10th annual Best of Missouri Market would like to thank our sponsors:

The Home Depot
Whole Foods Market
Coca-Cola
KMOX
Commerce Bank
Edward Jones
Ralston Purina Company
Clifford Willard
Gaylord Foundation

Special thanks to **Ronnoco** and **Krispy Kreme** for their generosity.

The 10th annual Best of Missouri Market was a great success, thanks to the dedication and hard work of the co-chairs Nora Stern and Ellen Dubinsky, the Members' Board, and all of the volunteers and staff.

20% off Gift Memberships

November 7-11 and December 5-9

When you come to the Garden during the November and December Holiday Sales in the Garden Gate Shop you may purchase a regular $55 membership for just $44 or a $50 Senior membership for only $40.

Give a gift that your friends or family will enjoy all year long. Each person who receives a gift membership will also receive a lovely orchid wind chime.

Discount for **onsite sales only**, no phone, fax or email orders.

MISSOURI BOTANICAL GARDEN 2002 ANNUAL MEMBERSHIP BENEFITS

Regular Membership $60
Senior Membership $55

- *Free admission to the Garden, including the Garden Café, Tower Grove House, and Shaw Nature Reserve for two adults and all children under age 18 for one year.*
- *The Bulletin, published six times a year. Each issue includes a schedule of activities and events at the Garden and Shaw Nature Reserve, plus horticultural advice prepared especially for the St. Louis area.*
- *10% discount at the Garden Gate Shop and special rates for educational courses.*
- *Special members-only parties, sales and events throughout the year, including opening night previews of flower shows.*
- *Monthly Members' Days, featuring a special event or activity especially for members, including free tram rides, extra discounts on selected merchandise in the Garden Gate Shop, and a 10% discount in the Garden Café.*
- *Members' trips explore public and private gardens around the world.*
- *Members' discounts on rental fees for Garden facilities.*

Family $125

- *All the above, plus free admission for ten guests with each visit, including special Garden events.*
- *Four complimentary Tram Tour tickets.*
- *Four complimentary admission passes to the Sophia M. Sachs Butterfly House.*

Sustaining Membership $175

- *All of the above, plus a gift certificate for the Garden Gate Shop.*
- *Invitations to exclusive flower show receptions.*

Sponsoring Membership $250

- *All of the above, plus a year's subscription to Garden Design magazine.*

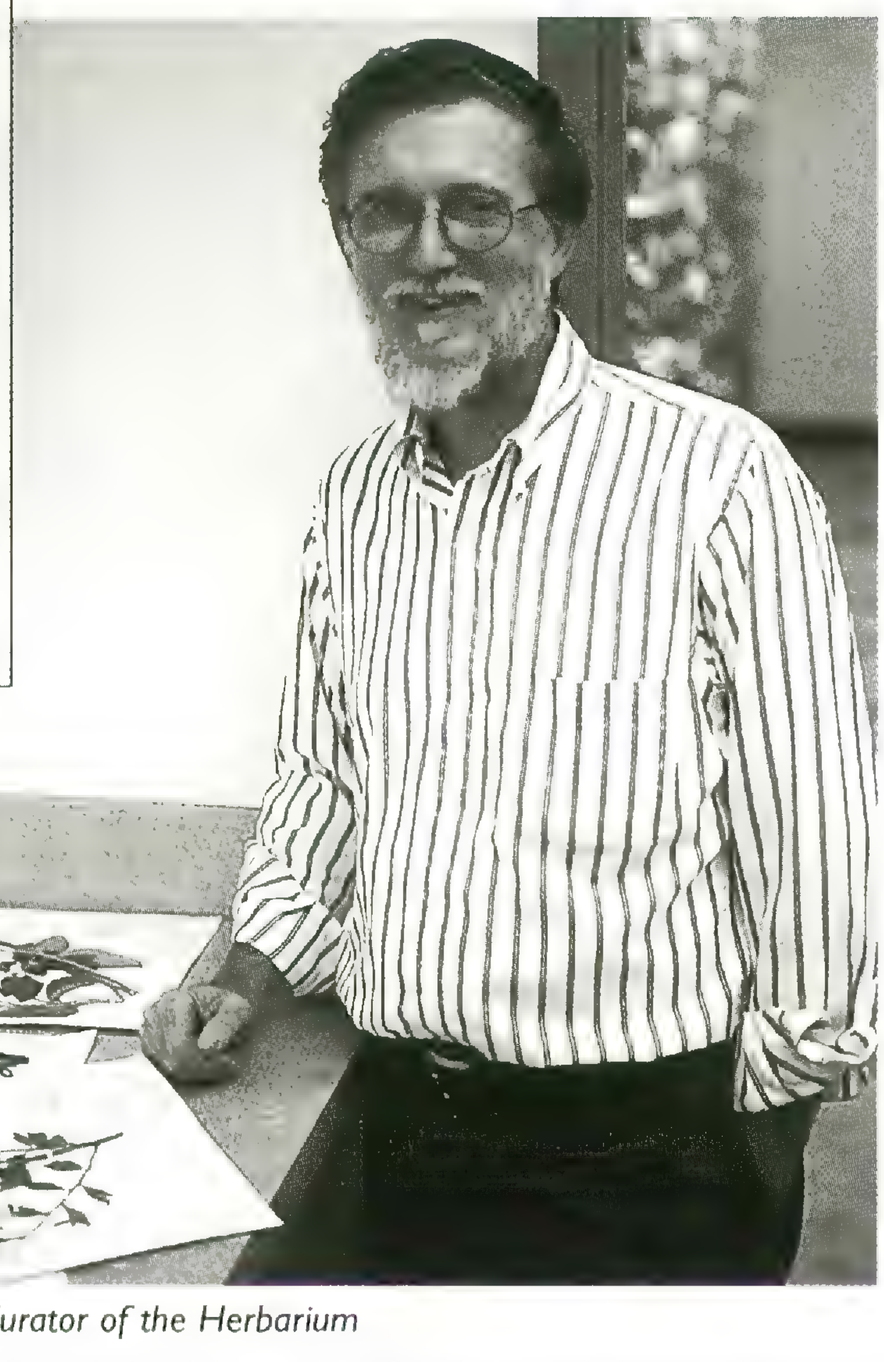
Director's Associate $500

- *All of the above, plus an invitation to the annual Director's Associates' Evening.*
- *Privately scheduled tour of EarthWays Home.*
- *Free admission to the Sophia M. Sachs Butterfly House.*

Henry Shaw Associate $1,000

- *All of the above, plus an invitation to the annual Henry Shaw Dinner.*

Garden Acquires Significant New Herbarium Collection



PHOTOS BY TRENT FOLTZ

Dr. James Solomon, Curator of the Herbarium

Inset: *Silverling,* Baccharis halimifolia, *a plant found on sand dunes at Virginia Beach, Anne County, Virginia. One of the estimated 197,000 mounted specimens acquired in the Clyde F. Reed collection.*

An estimated 222,000 plant specimens have been added to the Garden's herbarium with the recent acquisition of the Clyde F. Reed Herbarium. The collection is unique in that the specimens were Reed's private collection and most are not duplicated in the collections of any other institution.

Dr. James Solomon, curator of the herbarium, said, "The Reed Herbarium is complimentary to the Garden's existing collection." Before the acquisition, the Garden's herbarium housed approximately 1.2 million North American specimens (north of Mexico). According to Dr. Solomon, Reed's collection is particularly strong in the Mid-Atlantic area, including Maryland, Delaware, Virginia, Pennsylvania, North Carolina and New York.

Reed, who collected primarily from about 1940 to the late 1980s, published numerous works on mosses and ferns, as well as other plant groups. In 1986, he published a major study on serpentine vegetation in eastern North America. Many of the specimens acquired are documentation for those works. Dr. Solomon said, "The specimens are the raw data for Reed's studies and would be essential for botanists who wish to confirm the identity of plants from those geographic areas."

Among the specimens acquired are an estimated 197,000 mounted specimens including 162,000 vascular plants (ferns, conifers and flowering plants) and 35,000 mosses. Another 25,000 vascular plant specimens are unmounted. The oldest specimens in Reed's collection date from the late 19th century. About 95% of the collection is from North America, with the remainder from tropical America, Europe, Asia and elsewhere. At least 80% of the collection are Reed's own collections.

The Reed collection will be added to the 5.2 million specimens currently housed at the Missouri Botanical Garden Herbarium. The collection is used by botanists from all over the world on a daily basis.

Science Education "Goes Live" At The Garden

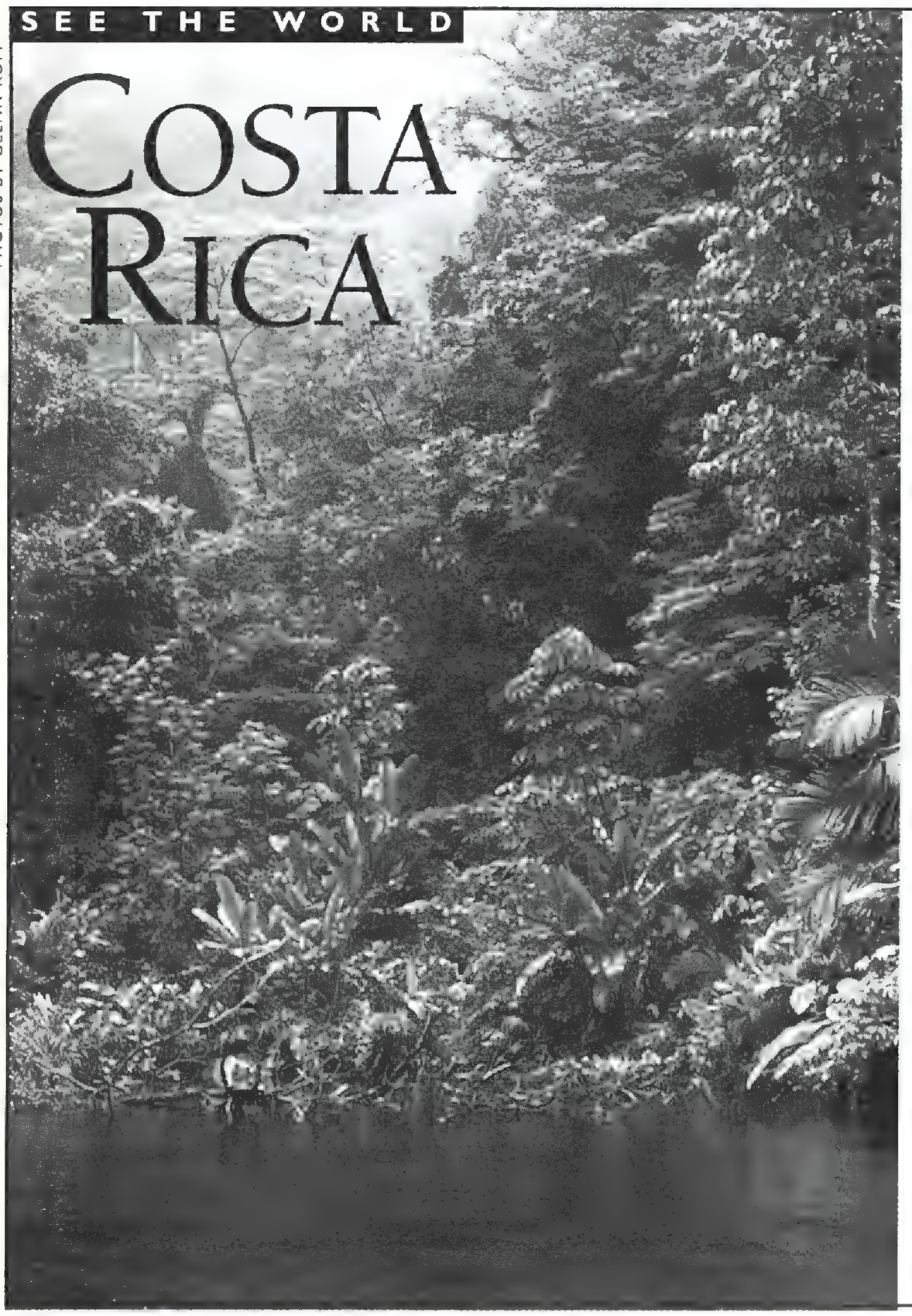
The Missouri Botanical Garden has been named the St. Louis regional hub for the JASON Project, which links students in grades 4-9 with scientists in the field.

This year the project will focus on "Frozen Worlds." Participating schools will have on-line dialogues with scientists who are exploring life in the coldest regions of the planet and researching whether life can survive on other planets.

As part of the program, the Garden will receive and install the technology which will enable students visiting the Garden to observe live broadcasts from research sites around the world. The Garden will also provide professional development for teachers on this program.

The project is named for the mythological Greek hero, Jason, who sailed in search of the golden fleece. It represents the spirit of exploration and the value of teamwork. Their website is www.jasonproject.org.

JASON PROJECT



A Natural History Trip to Costa Rica
March 2002

Costa Rica is a land of unparalleled ecological diversity. Lowland jungles, high altitude cloud forests, black sand and coral beaches, and over forty volcanoes are all carefully preserved by one of the most remarkable national park systems in the world. Costa Rica's geographic location serves as a bridge between North America and South America, causing the country to have a unique biological makeup. Here the southern range of North American plants and animals meet the northern range of the flora and fauna of South America.

Our expedition is highlighted by visits to the renowned lush Monteverde Cloud Forest, the spectacular smoldering Poas Volcano, the diverse waterways and wetlands of Tortuguero National Park on the Caribbean coast, with its rich wildlife, and the canopy walkway at Tirimbina Reserve.

Join staff members of the Garden's Education Division as we explore these amazing natural ecosystems and beautiful gardens, look for monkeys, sloths, toucans and a vast array of birds and other wildlife.

For more information and a brochure please call 577-5144.

See the World

Henry Shaw Fund

Advancing the Mission

Every contribution to Missouri Botanical Garden advances our mission "to discover and share knowledge about plants and their environment, in order to preserve and enrich life." As we enter the new millennium, when the world's ecosystems face unprecedented challenges, the world's human community must respond with knowledge, compassion and international cooperation.

The Henry Shaw Fund makes the crucial difference in maintaining and improving the Garden services we offer you. By providing essential general operating support, private gifts ensure critical research that seeks keys to some of the most pressing human concerns, such as disease and environmental changes. It also allows us to extend education to a diverse audience and nurture the beauty of the Garden and Shaw Nature Reserve for your enjoyment.

Each year, we turn to you, our members, to ask for a charitable contribution beyond your annual membership gift. Please join us in celebrating Dr. Raven's 30 years as director with a gift to the Henry Shaw Fund.

Your gift to the 2001 Henry Shaw Fund allows Dr. Raven to fulfill his vision of making the Garden a haven of horticultural displays, a resource for scientific education and a model for global sustainability.

"Only by our compassion will we save our planet for our future generations."

Peter H. Raven

Grants & Gifts

Grant to Garden is Mark of Excellence

The Institute of Museum and Library Services, an independent federal agency, has awarded the Garden a grant to support our general operating budget for the next two years. Robert S. Martin, director of the Institute, says the grant recognizes museums that demonstrate leadership in professional practice and provide "the best of museum service in America." One hallmark of the grant is its flexibility. Recipients may use the money as they choose to improve their overall service.

New Sculpture Graces Shoenberg Temperate House

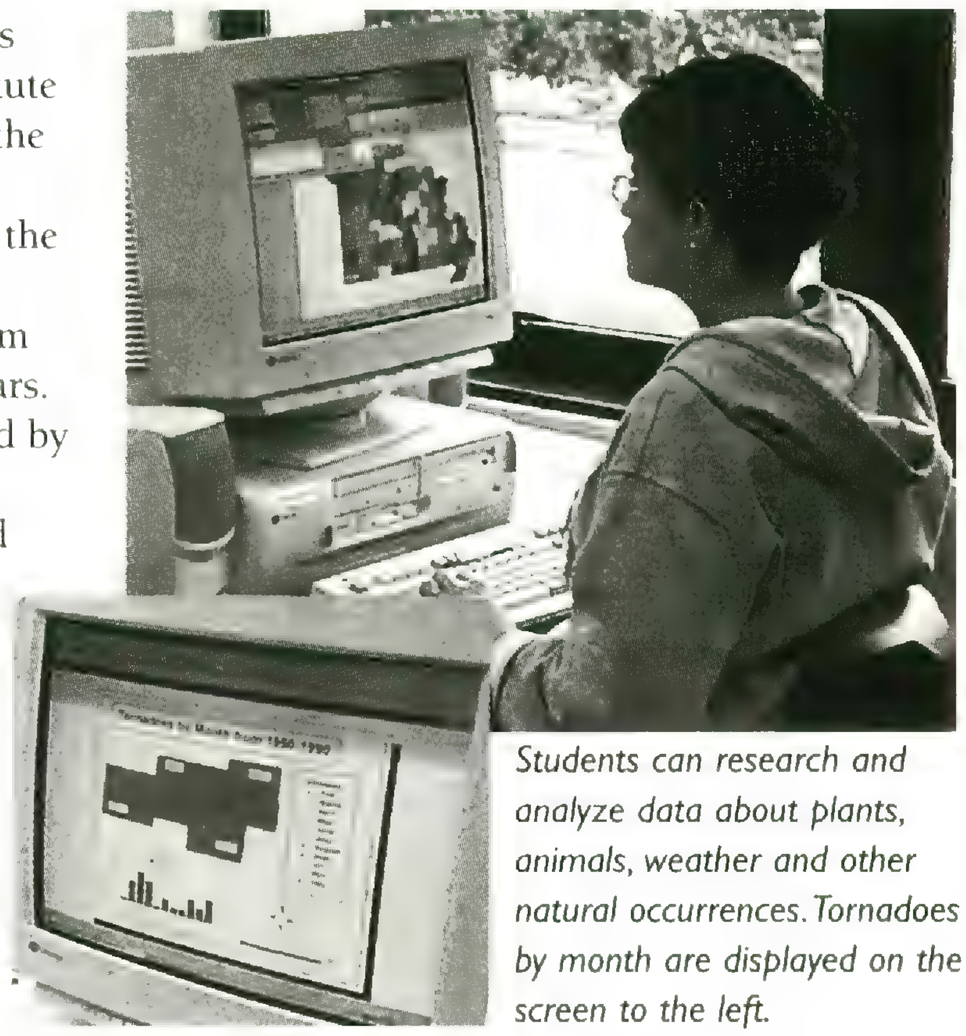
Mrs. Stella C. Pettus has donated the sculpture *Boy with Recorder* to the Garden.

TIM PARKER

The sculpture, by local artist Dick Duhme, is located adjacent to the Pettus Arbor in the Shoenberg Temperate House. The arbor was donated by Mrs. Pettus in 1995 in memory of her husband Charles.

HHMI Funds Mapping The Environment

Howard Hughes Medical Institute has awarded the Garden $265,000 to continue and expand the "Mapping The Environment" program over the next four years. The program, initiated by the Garden in 1998, supports students and teachers using geographic information system (GIS) software to map and analyze data including animal migration, plant growth, weather patterns and other natural phenomena. Curriculum resources developed by the Garden for this program have been distributed to teachers throughout the United States and in seven other countries.



PHOTOS BY DAVID GOODWIN

Students can research and analyze data about plants, animals, weather and other natural occurrences. Tornadoes by month are displayed on the screen to the left.

Initial funding for the program was provided by the Litzsinger Road Ecology Foundation, which continues to be a major donor. Environmental Systems Research Institute (ESRI) also continues to support the program by donating GIS software to schools. Since 1992, HHMI has awarded only 125 grants to informal science education centers. This grant marks the third time the Missouri Botanical Garden has been a recipient.

TRIBUTES
JULY – AUGUST 2001

IN **HONOR** OF

For information on making a gift to the Tribute Fund, please call the Development Office at (314) 577-5120.

Roger Berent
Mr. and Mrs. Monte Lopata
Mr. and Mrs. Stephen F. Brauer
Mr. and Mrs. Lucien R. Fouke, Jr.
Robert Burg
Mr. and Mrs. Bernard A. Barken
Mrs. Samuel D. Soule
Ann Case
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Dr. and Mrs. Marshall B. Conrad
Mr. and Mrs. Harry C. Gibbs
Marie Coyle
Dr. and Mrs. James Junker
Mr. and Mrs. James Crews
Mr. and Mrs. David Eusterbrock
William and Joyce Davit
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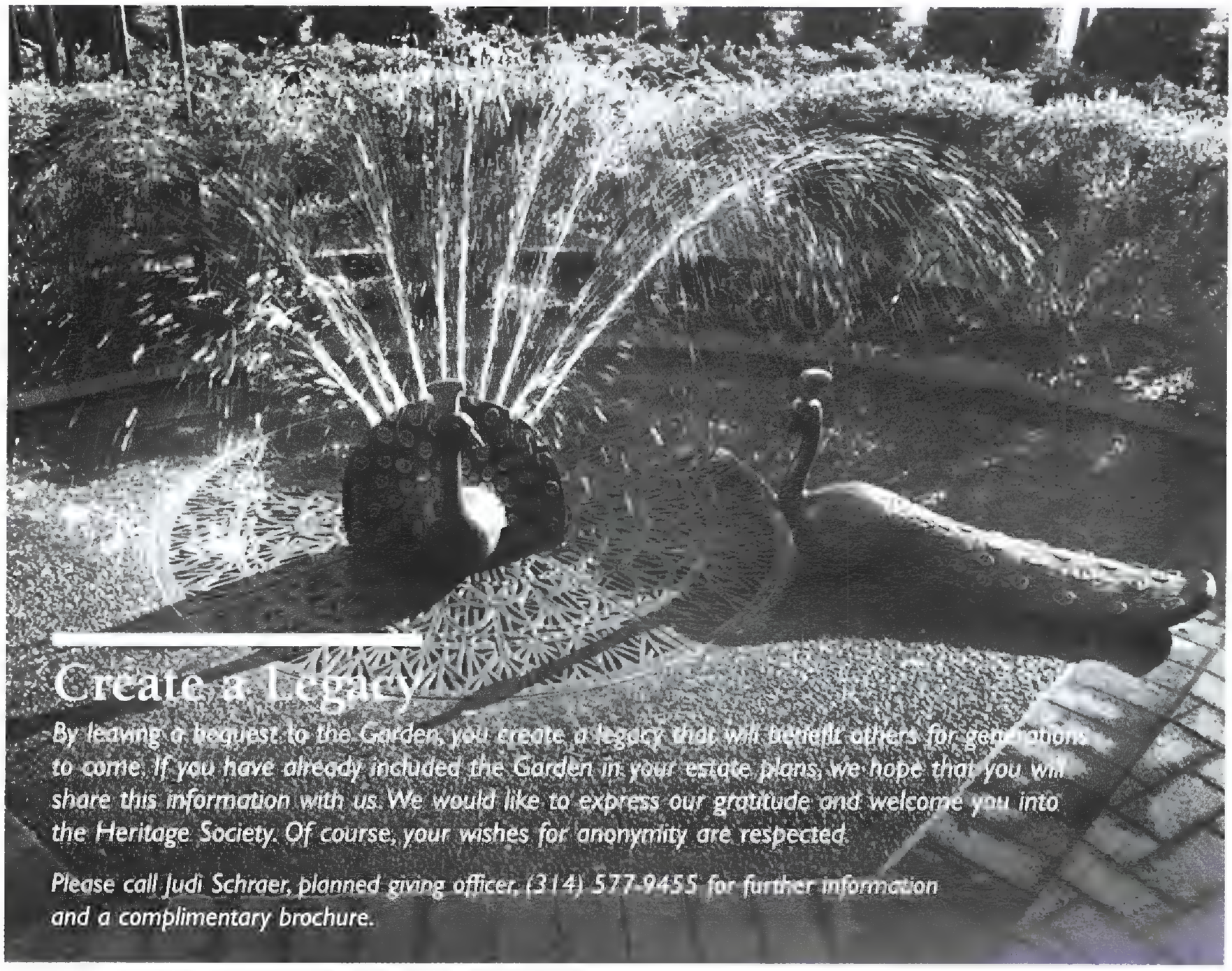
continued on page 20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continued on page 22

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2.
$8.35 Million Contribution
Kemper Foundation and Commerce Bank

5.
Day of Remembrance
Observance honors those who died on Sept. 11.

6.
Holiday Journeys
Grandma's Toychest inspires annual holiday floral display.

9.
News of Note
Dr. Luther Williams enters Hall of Fame; Tower Grove House restoration and more.

10.
Corporate Giving
Profile of the Anheuser-Busch Companies, Inc., Corporate Partner since 1998.

11.
Calendar of Events
Decorating, celebrating and special exhibits highlight the holiday seasonal offerings.

15.
News of the Members
Best of Missouri Market success; 20% off gift membership.

16.
Herbarium
The estimated 222,000 specimen Clyde F. Reed Herbarium added to Garden collection.

17.
Education
The JASON Project links students to scientists; travel offering links members to Costa Rica.

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Holiday Journeys

Nov. 21 to Jan. 1, 2002

See pages 6 and 7

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